

NEW JERSEY BLUE CRAB
RECREATIONAL FISHERY SURVEY 2006
FINAL REPORT



Submitted to:
New Jersey Department of Environmental Protection

Submitted by:
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July 13, 2007

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INTRODUCTION

In 2006, Macro International Inc. (“Macro”) conducted the New Jersey Blue Crab Recreational Fishery Survey (“New Jersey Blue Crab Survey”) on the southern Atlantic coast of New Jersey on behalf of the New Jersey Department of Environmental Protection (“NJ DEP”). This survey was prompted by a need for harvest and effort data on the New Jersey blue crab fishery; it followed a previous survey of recreational blue crabbing in the Delaware Bay conducted in 2005.

As set forth by the NJ DEP, the goals of the 2006 survey were to:

- Estimate of the monthly fishing effort and harvest by gear on the southern Atlantic coast of New Jersey, during the 2006 fishing season, using telephone and dock-side intercept surveys.
- Characterize the stock sex and age structure by using measurements of harvested crabs taken during intercept surveys.

Catch and effort statistics are fundamental for assessing the impact of recreational crabbing on the species. The quantities caught and harvested, the crabbing effort, and the seasonal and geographical distribution of the catch and effort are required to develop sound management policies and plans. Accurate, up-to-date recreational and commercial catch statistics—in conjunction with fisheries independent data—provide conservation agencies with the information necessary to develop management plans for optimum yield from crab resources.

The NJ DEP contracted with Macro, a professional survey research firm, to conduct the New Jersey Blue Crab Survey. The following report provides the results of the survey effort and describes survey methodology.

SURVEY DESIGN

The New Jersey Blue Crab Survey design combined a telephone household survey with an on-site intercept survey. The telephone survey gathered information from a large number of respondents in the general population, while the intercept survey supplied detailed information from a smaller number of respondents of a targeted population (recreational crabbers). The survey sample frames had some overlap, yet each provided a means to reach portions of the target population not accessible by the other frame. Together, the two survey efforts produced comprehensive estimates in both measurement content and population coverage. Over the course of the project, nearly 2,200 telephone interviews and 430 intercept interviews were collected.

TELEPHONE SURVEY DESIGN

Data obtained from the telephone survey were used to estimate the total number of marine recreational crabbing trips taken by residents of the tri-coastal area of Cape May, Atlantic,¹ and Ocean counties. Due to limited funds, the survey was restricted to these counties. The telephone survey was fielded for five months, from July through November 2006. During each month, crabbers were asked to report their crabbing activity during the previous month.

INTERCEPT SURVEY DESIGN

The intercept survey collected certain data that could not be reliably collected over the telephone in a cost-effective manner. These data included blue crab identification, count, sex, and carapace width. The intercept methodology consisted of dock-side surveys of crabbers intercepted in Cape May, Atlantic, and Ocean counties. Data collection for the intercept survey took place from the end of May to October 2006. Data obtained from the intercept survey was used to estimate average catch per trip. The study design is summarized in Table 1, below.

¹ Five Burlington County census tracts in closest proximity to the Atlantic Ocean are combined with Atlantic county.

Table 1: Summary of Study Design

	Telephone Survey	Intercept Survey
Target area	Tri-county area of Cape May, Atlantic, and Ocean, New Jersey.	Tri-county area of Cape May, Atlantic, and Ocean, New Jersey.
Fielding period	July to November	May/June to October ²
Type of data collected	Number of recreational crabbers Number of trips per month Harvest per month Gear type Access location	Number of crabs caught/harvested Biological (count, carapace width, sex) Number of trips within prior year and month Gear type Residency of crabber Household telephone status
Population covered	Telephone households (recreational crabbing and non-crabbing)	Recreational crabbers visiting pre-determined list sites
Population not covered	Non-telephone households and non-resident recreational crabbers	Recreational crabbers visiting sites not on pre-determined list
Total interview targets	2,080 (spread over five months)	350 (spread over five months)
Stratification	County (square root allocation) and density	Expected activity, day type (weekend/weekday)
Assignments	Mix of day and evening, weekend, and weekday calls	Allocated to weekdays and weekends

² For the purpose of this survey, May and June were considered one month.

SURVEY IMPLEMENTATION

Data collection for both the telephone and intercept surveys was conducted by Macro, using telephone and field interviewers employed and trained by Macro.

TELEPHONE SURVEY

Macro's project staff provided a half-day training for telephone interviewers on the New Jersey Blue Crab Survey telephone survey protocol. The telephone survey was conducted at Macro's Computer-Assisted Telephone Interviewing (CATI) Research Center in Plattsburgh, New York.

Telephone Survey Sample

A random digit dialing (RDD) approach was used to accurately measure all crabbing activity for the residents of the three targeted counties. To select households for interviewing, Macro used a *density-stratified* sample selected via RDD. Density stratification improves the efficiency of the survey process by leveraging the information found in telephone directories, while relying on an initial RDD selection process so as not to compromise frame coverage and accuracy. This stratification approach is achieved through a double-sampling process:

- First, an initial RDD sample is drawn from each geographic stratum.
- Then, the numbers are back-matched to a database of telephone directories to establish whether the telephone number is listed or unlisted.
- Next, the sampled numbers are stratified as listed or unlisted.
- Finally, numbers in the listed stratum are oversampled relative to those in the unlisted stratum, generally at a ratio of 1.5:1.

Both listed and unlisted numbers may result in calls to non-working telephone numbers. However, since listed numbers are far more likely to be working numbers, the overall productivity of the interviewing process is improved by oversampling listed numbers. Macro adjusted for the oversampling of listed numbers in the weighting process.

Telephone Survey Instrument

Macro worked with the NJ DEP to design a set of telephone survey questions that would provide the necessary data to accurately estimate crabbing effort, as well as other information important to the NJ DEP. The telephone instrument asked about the respondent's household crabbing activity during the previous 12 months and profiled household crabbing trips made within the previous month. A copy of the telephone survey instrument is provided in *Appendix A*.

Telephone Survey Administration

Trained survey research interviewers administered the CATI telephone survey. The telephone survey was programmed using CATI software that automatically controls skip and fill logic, has range-checking for numeric data, can be programmed to call during specified times, and controls the number of call attempts based on project specifications. The software also offers special features for entering open-ended responses.

Sampled records were attempted during day, evening, and weekend calling shifts to ensure that respondents had an opportunity to participate in the survey at their convenience. Each record was called a minimum of six times (or until the target number of completes for each month was reached).

The target number of completed interviews for the entire survey period was 2,080. Since crabbing activity was expected to be slower during November, the monthly target for that month was less than the others. Table 2, below, provides the numbers of targeted and completed interviews per month.

Table 2: Number of Completed Telephone Interviews, Targeted and Actual

Calling Month	Number of Targeted Completes	Number of Actual Completes
July	462	465
August	462	541
September	462	456
October	462	462
November	232	233
Total	2,080	2,157

Nearly 18,000 telephone numbers were attempted in order to reach the overall target number of completes. The outcomes of these calls are provided in Table 3, below.

Table 3: Telephone Survey Outcomes

Telephone Disposition Description	Frequency
Completed Interview	2,157
Non-working Number/Fax/Business	6,765
Refusal	2,588
Not a Residence (Dorm, Barrack)	282
Privacy Manager/Call Blocked	308
Language Barrier	63
Respondent Unable to Complete Interview	10
Unresolved Records ³	5,677
Total	17,850

³Unresolved records include telephone numbers that did not result in a final outcome by the time the monthly target was achieved. For example, a record could have been attempted multiple times, with outcomes such as busy, answering machine, etc. Attempts were halted when the monthly target was reached.

INTERCEPT SURVEY

Experienced field interviewers in New Jersey employed by Macro conducted the intercept survey. Macro's project staff provided a one-day training for field interviewers about the New Jersey Blue Crab Survey intercept protocol.

Sampling Frame

The sampling frame for the intercept survey was a list of recreational crabbing sites in Cape May, Atlantic, and Ocean counties (the site register). The NJ DEP provided the original list, and Macro field staff provided additional sites. Each site in the register specified the type of crabbing site (bridge, bank, rental boat, bulkhead, private boat, etc.), the location of and directions to the site, and contact information (site owner and telephone number, if applicable). In addition, each site was classified with a measure of crabbing activity (high, medium, or low), which represented the level of crabbing activity expected at that site during an average eight-hour day during that month. Prior to the start of each month, the site register file was reviewed and updated as necessary to contain the most up-to-date information about expected average crabber activity. This measure of activity was taken into account when sites were drawn for interviewing assignments, so that sites with higher expected activity were drawn more frequently than sites with lower expected activity (the goal being to draw locations of interviewing assignments proportional to actual crabbing activity).

Intercept Survey Instrument

Macro worked with the NJ DEP to develop an intercept survey instrument that collected data necessary to accurately estimate blue crab catch and harvest, including crabbing mode (e.g., from pier, bridge, private boat, etc.), crabbing gear (e.g., commercial style crab pot, hand, dip net, etc.), number of crabs caught and harvested, and biological data (e.g., carapace width and sex). In addition, the instrument collected other information important to the NJ DEP—such as crabber demographic information, crabber activity for one- and 12-month periods, and crab-eating preferences. The intercept survey instrument is provided in *Appendix B*.

Interviewing Assignments

Interviewing assignments were drawn from the sampling frame of known crabbing sites and were comprised of an assigned access site on an assigned day. Interviewers were instructed to first visit the assigned site to collect interviews. If no activity was present at the assigned site, interviewers could select alternate sites within pre-determined clusters of sites developed by the NJ DEP (see color-coded site clusters in *Appendix C*). Interviewers could also move among sites within a cluster throughout the interviewing day in an attempt to intercept recreational crabbers.

Interviewers administered a set of screening questions to determine crabber eligibility (see the eligibility screener in *Appendix D*). Eligible respondents met the following criteria:

- A recreational blue crabber, or an angler or shellfisher who had incidentally caught blue crabs;
- At least one-third done with their crabbing trip; and
- Five years of age or older. If respondent was younger than 18 years old, parental permission was required.

Eligible crabbers were administered the intercept survey following strict protocols for data collection.

The goal for the season was to collect 350 intercepts. As with the telephone survey, monthly goals were established; these goals took into consideration that activity was expected to be highest in July and August. The following table provides the monthly interview goals and the number of interviews obtained.

Table 4: Number of Intercept Assignments and Interviews Collected per Month

Month Completed	Interview Goal	Completed Interviews
May/June	60	119
July	80	154
August	80	59
September	80	81
October	50	17
Total	350	430

During the 2005 New Jersey Blue Crab Survey, the number of interviews completed in May and June was far less than originally expected. This was attributed to a very slow start to the season due to cold weather in the spring (in fact, field reports indicated almost no activity prior to Memorial Day). Anticipating little or no activity in May, Macro postponed data collection for the 2006 New Jersey Blue Crab Survey until Memorial Day weekend. Activity for May/June and July was more productive than anticipated. Therefore, for August Macro scaled back the number of assignments issued to accommodate the unanticipated overages experienced in May/June and July.

Data Entry of Intercepts

Intercept interviewers mailed completed assignments to Macro's Burlington, Vermont office, where they were entered by data entry personnel using a Windows-based application running on a Microsoft IIS server. The data entry program was created using the Visual Studio.net framework—a powerful, sophisticated end-to-end tool for designing, developing, debugging, and deploying secure applications for Microsoft Windows and the Web. Data for this project were stored in a SQL Server database.

The data entry application was programmed with logic and out-of-range checks to detect erroneous or invalid data. Any errors were clarified with field staff.

TELEPHONE AND INTERCEPT DATA PROCESSING

Data cleaning and preparation occurred after all intercept survey data were entered and the telephone survey was complete. In addition to the programmed range and error checks, Macro's Project Manager and SAS Programmer reviewed data for extreme or improbable response values. After the data was cleaned, it was converted into SAS datasets prior to analysis.

FINDINGS

Detailed findings regarding effort, harvest, catch, and participation are described in the following section. Related estimate tables are provided in *Appendices E* through *H*. This section also presents additional analyses on biological data and crab consumption. Responses to all survey questions (for both the telephone and intercept surveys) are provided in *Appendices I* and *J*.

EFFORT, PARTICIPATION, CATCH, AND HARVEST ESTIMATION

Weighting

For the telephone survey, the survey respondents are weighted to reflect the disproportionate sampling design. These weights reflect both the disproportionate sampling by county as well as by telephone directory status (listed or unlisted). To account for the selection of one crabber per household, the respondent is weighted by the number of crabbers in the household. Each monthly sample is weighted to reflect the number of households in each area.

For the intercept survey, Macro assumes equal weighting for each crabbing trip. For each trip, crab weights are calculated to reflect the subsampling of crabs where complete biological data was collected.

Estimation Cells

The estimation cells for evaluating effort and harvest are based on gear type, crabbing location (mode), month, and county. It would be ideal to understand effort and harvest for expanded categories of these variables, but the number of estimation cells is limited by small sample sizes. To avoid small sample sizes, but still gain some understanding of crabbing by these different classifiers, Macro logically collapsed response categories to limit the possible combinations. Table 5 shows how response categories for gear type, mode, and season were collapsed into classification variables for use in estimate analyses. Table 6 shows the frequencies of each response category.

Table 5: Collapsed Response Categories

Classification Variable	Response Categories Included
Gear type	1=Crab pot 2=Collapsible trap 3>All other gears
Mode	1=Land (Pier, dock, Jetty, breakwater, breach way, other man-made structure, beach or bank) 2=Boat (Private, rental)
Season	1=Early (May-June) 2=Peak (Jul-Aug) 3=Late (Sep-Oct)

Table 6: Classification Variable Coding and Frequencies

Gear Coding:

Gear Category	Gear Response	Frequency
1	Crab Pot	35
	Crab Pot, collapsible trap	3
	Crab Pot, ring net	1
2	Collapsible trap	56
	Collapsible trap, trotline	1
	Collapsible trap, hand	2
	Collapsible trap, hook and line	11
	Collapsible trap, hook and line, dip net	3
	Collapsible trap, dip net	4
3	Trotline	9
	Hand	14
	Hook and line	41
	Hook and line, dip net	2
	Hook and line, ring net	1
	Dip net	3
	Ring net	8
	Don't know/Refused	5

Mode Coding:

Mode	Crabbing Location	Frequency
Land	Pier	25
	Dock	61
	Bridge, causeway	11
	Some other man made structure	10
	Beach or bank	15
	Don't know/Refused	3
Boat	Private Boat	69
	Rental Boat	5

Season Coding:

Season	Reference Month	Frequency
Early	June (includes Memorial Day Weekend)	36
Peak	July	58
	August	56
Late	September	35
	October	14

Effort Estimation

Residents of the study area took an estimated 127,509 individual crabbing trips during the course of the season. Over half of the activity took place in July and August. Adjusting for the non-residential presence at the intercept sites raises the number of trips to over 260,000. Detailed effort tables are located in Appendix E. The following paragraphs discuss the estimation details.

Resident effort, the basis for the estimation, is measured from the telephone survey based on a one-month recall of the number of trips taken by each respondent. The weighted number of one-month trips is an estimate of the total monthly resident effort. Since the telephone survey was restricted to residents of the study area, the resident effort is adjusted for the non-residential effort. This adjustment is based on the percentage of residential crabbing activity relative to non-residential crabbing activity, as measured by the intercept survey. In the intercept survey, respondents were asked their state and county of residence. The share of resident trips relative to total trips (resident and non-resident) is the basis for the inflation:

$$\text{Total effort} = (\text{Resident effort}) / (\text{Intercept: Share of resident trips})$$

The residential rate is 49.7 percent overall, but varies across the estimation cells. Due to a small number of intercepts with boat crabbers, the boat respondents were collapsed with the land respondents. Similarly, the number of crabbers using crab pots is small, so this gear type was collapsed with the “other gear” category. Macro also collapsed respondents who reported using a collapsible trap with respondents reporting “other gear” since there is insufficient evidence to indicate that the percentage of residential trips differs between these two groups ($p\text{-value}=0.4447$). The percentage of residential intercepts does vary across season ($p\text{-value}=0.0414$)

Table 7: Residential Share of Activity

Season	Resident Share of Activity	Standard Error
May-June	49.6%	4.6%
July-August	43.7%	3.4%
September-October	63.3%	4.9%

Harvest and Catch

An estimated one million crabs were harvested over the course of the season. Residential crabbing activity accounted for about one-half of the total harvest. The total catch, both crabs kept and thrown back, measures 3.6 million. The average number of crabs caught per trip is 13.6, with about 72 percent of

the crabs thrown back and 28 percent harvested. Detailed harvest and catch estimates are in Appendices F and G. The following paragraphs discuss the estimation details.

Combining the estimated effort with the average number of crabs caught and harvested, as measured during the intercept interviews, yields an estimate of the total number of crabs caught and harvested. Defining catch as the total crabs caught, and defining harvest as the total crabs kept (excluding throw-backs), Macro estimates total yields as follows:

$$\text{Total Catch} = (\text{Total effort}) \times (\text{Intercept: Average individual catch per trip})$$

$$\text{Total Harvest} = (\text{Total effort}) \times (\text{Intercept: Average individual harvest per trip})$$

Harvested crabs were estimated from two pieces of information; crabs available for inspection by the intercept interviewer and crabs that were harvested, but not available for inspection by the intercept interviewer. For crabs eligible for inspection, interviewers recorded the number of crabs harvested by counting the total crabs for each intercepted crabbing group. Since the crab count usually reflected a group harvest, the interviewer also asked for the number of contributors to the harvest. Those not available for inspection were self-reported by each individual crabber during the intercept interview. From this information, Macro calculated an average harvest per individual crabber, including crabbers who did not harvest any crabs:

$$\text{Average inspected harvest} = (\text{Total inspected harvest}) / (\text{Total contributors})$$

$$\text{Average individual harvest} = (\text{Average individual inspected harvest}) + (\text{Average individual non-inspected harvest})$$

Interviewers also asked each crabber about the number of crabs that he or she caught, but did not keep. Adding the average number of crabs thrown back to the average individual harvest equals the average individual catch:

$$\text{Average individual catch} = (\text{Average individual harvest}) + (\text{Average individual throw-backs})$$

For calculating the average harvest, Macro collapsed categories with insufficient sample responses to reliably support a harvest estimate. For Early and Peak Seasons, Macro collapsed boat respondents with land respondents and crab pot gear with “other gear”. For Late Season, Macro collapsed all gears and all modes. For the interviewer-inspected harvest, there are no significant differences among the various estimation cells, but the average unseen catch varies across the seasons (p-value=0.0577).

There is a significant residential effect when reporting unseen catch (throw-backs and harvest). The reported unseen catch for non-residents averaged 11.8 compared to 8.5 for residents (p-value=0.0003). On the contrary, there is no significant residential effect (p-value=0.1200) in measuring harvest that was available for inspection by the interviewer. Therefore, it seems that the harvest inspected by the interviewer is consistent for residents and non-residents, but non-residents are reporting a higher number of unseen catch.

Table 8: Intercept: Average Number of Unseen Crabs Self-reported by Individual Crabbers

			-Catch-			-Harvest Seen-			-Harvest Unseen-			-Throw-backs-		
Season	Mode	Gear	Mean	CV	95% CI	Mean	CV	95% CI	Mean	CV	95% CI	Mean	CV	95% CI
May-Oct	All	All Gear	13.6	3.6	[12.7, 14.6]	3.5	6.4	[3.1, 4.0]	0.3	32.5	[0.1, 0.5]	9.8	4.3	[9.0, 10.6]
May-Oct	All	Coll. Trap	13.3	6.0	[11.7, 14.9]	3.7	9.8	[3.0, 4.4]	0.2	44.4	[0.0, 0.3]	9.5	7.4	[8.1, 10.8]
May-Oct	All	Other Gear	13.9	4.5	[12.7, 15.1]	3.4	8.3	[2.9, 4.0]	0.4	40.6	[0.1, 0.8]	10.1	5.1	[9.1, 11.1]

			-Catch-				-Harvest Seen-				-Harvest Unseen-				-Throw-backs-							
Season	Mode	Gear	Mean	CV	95% CI			Mean	CV	95% CI			Mean	CV	95% CI			Mean	CV	95% CI		
May-Jun	All	All Gear	12.4	6.8	[10.7, 14.0]			4.1	12.1	[3.1, 5.0]			0.5	50.3	[0.0, 1.0]			7.8	8.2	[6.5, 9.1]		
May-Jun	All	Coll. Trap	13.2	8.1	[11.1, 15.3]			4.5	14.0	[3.3, 5.7]			0.3	57.1	[0.0, 0.6]			8.5	10.2	[6.7, 10.2]		
May-Jun	All	Other Gear	11.1	12.1	[8.5, 13.7]			3.4	22.3	[1.9, 4.9]			0.9	69.9	[0.0, 2.0]			6.8	13.9	[4.9, 8.7]		
Jul-Aug	All	All Gear	13.8	5.6	[12.3, 15.3]			3.2	10.3	[2.5, 3.8]			0.3	48.9	[0.0, 0.5]			10.3	6.4	[9.0, 11.6]		
Jul-Aug	All	Coll. Trap	13.4	8.2	[11.2, 15.5]			3.3	13.4	[2.4, 4.1]			0.1	70.4	[0.0, 0.2]			10.0	9.8	[8.1, 12.0]		
Jul-Aug	All	Other Gear	14.3	7.5	[12.2, 16.4]			3.1	16.3	[2.1, 4.1]			0.5	58.8	[0.0, 1.1]			10.7	7.6	[9.0, 12.3]		
Sep-Oct	All	All Gear	14.9	6.2	[13.1, 16.7]			3.7	9.5	[3.0, 4.4]			0.1	70.3	[0.0, 0.3]			11.1	7.5	[9.5, 12.8]		

Table 9: Intercept: Group Contribution and Harvest, Individual Harvest and Individual Catch

			-Contributors-				-Group Harvest Seen-				-Individual Harvest Unseen-				-Individual Throw-backs-			
Season	Mode	Gear	N	Mean	SE	CV	N	Mean	SE	CV	N	Mean	SE	CV	N	Mean	SE	CV
May-Oct	All	All Gear	291	1.6	0.1	3.5	291	5.6	0.4	7.7	430	0.3	0.1	32.5	430	9.8	0.4	4.3
May-Oct	All	Coll. Trap	136	1.6	0.1	5.2	136	5.8	0.7	11.8	195	0.2	0.1	44.4	195	9.5	0.7	7.4
May-Oct	All	Other Gear	155	1.6	0.1	4.7	155	5.3	0.5	10.0	235	0.4	0.2	40.6	235	10.1	0.5	5.1
May-Jun	All	All Gear	87	1.4	0.1	6.3	87	5.8	0.8	13.8	119	0.5	0.3	50.3	119	7.8	0.6	8.2
May-Jun	All	Coll. Trap	50	1.5	0.1	8.4	50	6.7	1.2	17.3	72	0.3	0.2	57.1	72	8.5	0.9	10.2
May-Jun	All	Other Gear	37	1.3	0.1	9.4	37	4.4	1.0	22.1	47	0.9	0.6	69.9	47	6.8	0.9	13.9
Jul-Aug	All	All Gear	148	1.6	0.1	4.9	148	5.0	0.6	12.4	213	0.3	0.1	48.9	213	10.3	0.7	6.4
Jul-Aug	All	Coll. Trap	86	1.6	0.1	6.7	86	5.3	0.8	15.9	123	0.1	0.1	70.4	123	10.0	1.0	9.8
Jul-Aug	All	Other Gear	62	1.5	0.1	7.1	62	4.6	0.9	19.8	90	0.5	0.3	58.8	90	10.7	0.8	7.6
Sep-Oct	All	All Gear	56	1.8	0.1	7.7	56	6.8	0.9	12.6	98	0.1	0.1	70.3	98	11.1	0.8	7.5

Combining these average yields with the effort estimates results in the following catch and harvest estimates. Detailed harvest and catch tables are in Appendices F and G.

Participation

Nearly 22,000, or 13.6 percent, of households in the study area participated in crabbing activity during the 12 months prior to the interview. The average monthly participation for the five-month season is 6.1 percent, with a peak of 9.0 percent participation in August and a low of 3.2 in October. The average number of crabbers per household is 2.2, and 82 percent of multi-crabber households took their crabbing trips together. The estimated monthly participation for residents and non-residents is highest in July and August, both over 80,000, and averages 41,700 over the five-month season. Detailed participation tables are located in Appendix H. The following paragraphs discuss the estimation details.

Similar to the effort estimates, participation estimates are based primarily on the telephone survey data, with appropriate adjustments to account for non-resident participation as measured in the intercept survey. Macro estimated participation monthly and also generated a season average for each county and the tri-county area. From the telephone survey, Macro estimated:

- Proportion of residential households participating in crabbing activities,

- Number of participants per residential household, and
- Percentage of residential households where all crabbing trips were taken together.

Non-resident participation levels are based on the avidity of non-resident crabbing participants interviewed in the intercept survey. Avid crabbers are more likely to be interviewed since they are more likely to be on-site during the intercept survey collection. Macro adjusted for the differential selection probabilities via a multiplicity weight, which is equal to the inverse of the number of trips reported during the intercept interview. Using the multiplicity-weighted participation from the intercept survey, Macro estimated the tri-county residential share of crabbing from the intercept survey in the same manner as for the effort analysis.

Table 10: Residential Share of Participation

	Resident Share of Participation	Standard Error
May-October	40.5%	2.8%
May-June	42.6%	4.8%
July-August	34.2%	3.8%
September-October	59.2%	6.5%

The overall share of 40.5 percent residential participation is less than the residential share of effort, 49.7 percent. This is due to the higher average of reported days of crabbing on the part of residents versus non-residents, 4.6 to 2.5.

ADDITIONAL ANALYSES

Biological Analysis

Interviewers recorded biological data for nearly 1,200 crabs. Nearly 85 percent of the harvest is male—for a sex ratio of 5.25 males to females. Sixty-one percent of the female harvest is mature. The average carapace width is 129.8 millimeters, with females averaging 2.1 millimeters smaller than males (females ranged between 128.0 to 130.1 millimeters). Table 11 provides crab sex and crab carapace information. Of the 1156 crabs that were counted, Macro collected sex and/or carapace data for 1137 crabs.

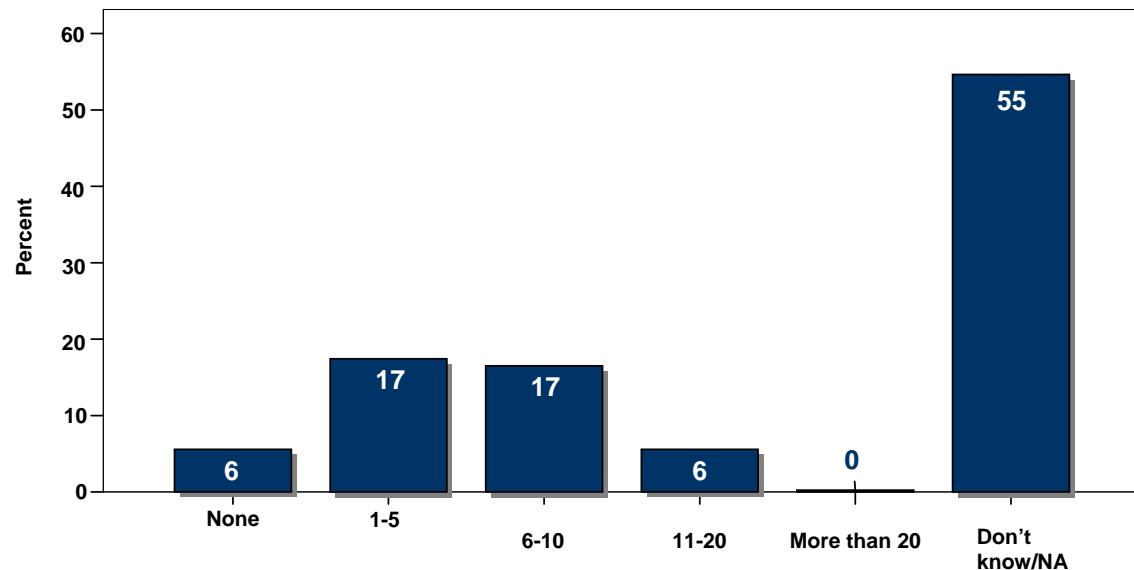
Table 11: Harvest Share and Carapace Width

		Harvest Share			Carapace Width		
	Sample size	Share	Lower 95%	Upper 95%	Mean Carapace Length	Lower 95%	Upper 95%
Total	1137	100%	-	-	129.8	128.3	131.2
Female	176	16.0%	12.1%	20.0%	128.0	125.9	130.1
Not mature	68	38.8%	31.5%	46.0%	117.7	116.4	119.0
Mature	106	61.2%	54.0%	68.5%	134.6	132.0	137.2
Male	961	84.0%	80.1%	88.0%	130.1	128.4	131.8

Crab Consumption

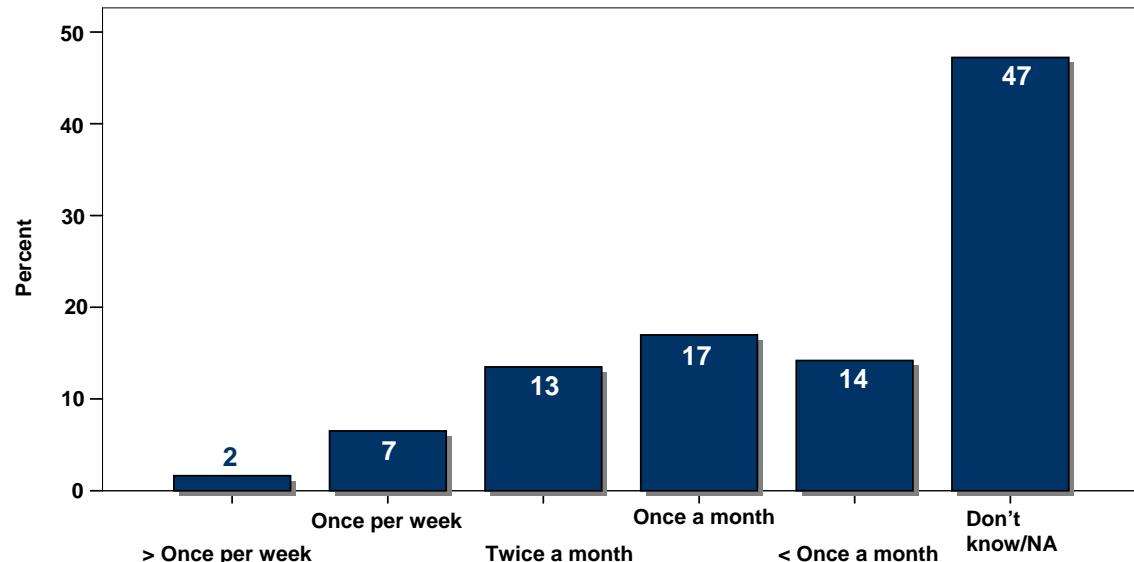
Several questions asked in the New Jersey Blue Crab Survey intercept portion collected information about crabbers' eating preferences for crabs that they personally caught. The graph below shows the number of crabs that the intercepted crabbers caught (during the reported trip) and planned to eat. Almost 35 percent said they would eat between one and 10 crabs at their next meal.

Q28. How many crabs will you eat?



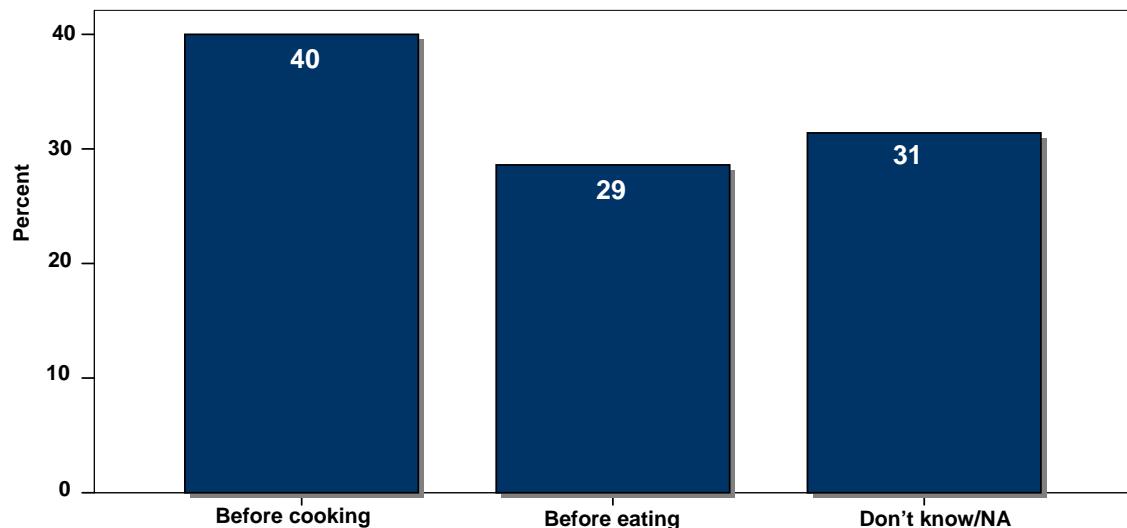
The graph below shows the frequency with which crabbers eat crabs that they personally caught. Thirty percent of crabbers reported that they eat such crabs between once and twice a month.

Q29. How often eat personally caught crabs?



The below graph demonstrates crabbers' preferences for cleaning out the green gland (tomalley) when eating crabs. Forty percent reported that they clean out the gland before cooking crabs.

Q30. Do you clean out the green gland?



APPENDIX A: TELEPHONE SURVEY INSTRUMENT

SECTION 1 - INTRODUCTION AND SCREENING

Intro 1: Hello, I'm calling about a survey being conducted for the New Jersey Department of Environmental Protection about recreational crabbing for blue crabs. The survey's purpose is to estimate the number of people who catch blue crabs for fun and recreation in New Jersey.

I. 1. Have I reached you at a private residence?

1. Yes {continue}
2. No {thank and terminate}

I. 2. And are you at least 18 years old?

1. Yes {continue}
2. No {Go to I.2.a}

I.2.a Can I speak with someone in the household who is at least 18 years old?

1. Yes – someone coming to the phone {go to intro 1}
2. No one over 18 available {schedule call back}

I want to assure you that your participation in the study is voluntary; you do not have to answer any question you don't want to, and you can end the interview at any time. I will not ask for your name, address, or other personal information that can identify you. The information you give me will be confidential and your name will not be associated with your answers. This call may be monitored for quality assurance purposes.

[If asked: Your telephone number has been selected at random from all telephone numbers in Cape May, Atlantic, and parts of Burlington and Ocean counties.]

[If necessary: If you have any questions about this survey, I will provide a telephone number for you to call to get more information.]

[Plattsburgh: 800-778-2818]

- 01 Continue
- 02 Not in county
- 03 Requested call back
- 04 Refused

Q1: Within the past 12 months, that is since {insert month} of 2005, how many people in your household have been crabbing for blue crabs?

1. Record number of blue crabbers. {If 0, record, save data and terminate as completed interview.}
77. DK {If DK, ask to transfer to someone in household who does know the answer, or schedule call back.}
99. Refused {If Refused, code as resistant and schedule call back.}

Q2: Now thinking about just {insert previous month} of this year, how many people in your household have been crabbing for blue crabs?

1. Record number of blue crabbers in past month {If 0, go to Section 5 End, otherwise continue to Q. 3}
77. DK {If DK, ask to transfer to someone in household who does know the answer, or schedule call back.}
99. Refused {If Refused, code as resistant and schedule call back.}

SECTION 2 - SELECTION OF RANDOM MEMBER OF HOUSEHOLD FOR TRIP PROFILE:

Q3. Are you one of the people in your household who went crabbing in {insert previous month} of this year?

1. Yes {GO TO Q3A.}
2. No, transferring to someone else {GO TO Intro 2}
3. No, no one is available, schedule call back
77. DK {If DK, ask to transfer to someone in household who does know the answer, or schedule call back.}
99. Refused {If Refused, code as resistant and schedule call back.}

Q3A. In {insert previous month} of 2006, did all of the crabbers in your household take all of their trips together?

1. Yes {GO TO Q4}
2. No {GO TO Q3B}
77. DK {If DK, ask to transfer to someone in household who does know the answer, or schedule call back.}
99. Refused {If Refused, code as resistant and schedule call back.}

Q3B. May I speak with the person in your household who went crabbing in {insert previous month} of 2006, who is 18 years old or older, and who had the most recent birthday?

1. RESPONDENT SPEAKING {continue to Q4}
2. SELECTED RESPONDENT COMING TO PHONE
3. SELECTED RESPONDENT NOT AVAILABLE, {schedule call back}
77. DK {If DK, ask to transfer to someone in household who does know the answer, or schedule call back.}
99. Refused {If Refused, code as resistant and schedule call back.}

Intro 2: Hello, I'm calling about a survey being conducted for the New Jersey Department of Environmental Protection about recreational crabbing for blue crabs. I understand that you went crabbing for blue crabs in {insert previous month} of this year.

I want to assure you that your participation in the study is voluntary; you do not have to answer any question you don't want to, and you can end the interview at any time. I will not ask for your name, address, or other personal information that can identify you. The information you give me will be confidential and your name will not be associated with your answers. This call may be monitored for quality assurance purposes.

[If asked: Your telephone number has been selected at random from all telephone numbers in Cape May, Atlantic, and parts of Burlington and Ocean counties.]

[If necessary: If you have any questions about this survey, I will provide a telephone number for you to call to get more information.]

SECTION 3 - TRIP DETAILS

{Section 3 questions are asked until the respondent indicates that there were no more trips during the recall period.}

Q4.

- If first trip: **What is the date of the last time you went crabbing for blue crabs in {insert previous month} in New Jersey? I have a calendar with me in case we need to look up some of the specific dates.**
- If not first trip: **What is the next most recent date that you went crabbing for blue crabs in New Jersey? [Interviewer note: I have a calendar with me in case we need to look up some of the specific dates.]**
1. Record date of most recent crabbing trip. {Date must be within programmed recall period. If no more trips during the recall period, go to Q5.}
 77. DK {terminate}
 99. Refused {terminate}

Q5. Were you crabbing from a....

1. Pier
2. Dock
3. Jetty, breakwater, breach way
4. Bridge, causeway
5. Some other man made structure? (specify _____)
6. Beach or bank
7. Private boat
8. Rental boat
77. DK
99. Refused

{Note to programmer: response "5. other" is listed in this order, rather than last on the list, because it refers to a shore structure, as do the rest of responses 1-4.}

Q6. Was this public-access or private-access {insert response from Q5}?

- 1. Public access
- 2. Private access
- 77. DK
- 99. Refused

Q7. What gear were you using?

- {Allow multiple gears.}
- 1. Commercial style crab pot
 - 2. Trotline
 - 3. Hand
 - 4. Hook and line/hand line
 - 5. Dip net
 - 6. Collapsible trap
 - 7. Seines
 - 8. Ring net
 - 66. Other (specify _____)
 - 77. DK
 - 99. Refused

{If crabbing with commercial-style pots, ask Q7A-Q7B; if other gears, go to Q8}

Q7A: How many commercial-style pots were in use?

- 1. Record response
- 77. DK
- 99. Refused

Q7B: "How many days had it been since you last checked your gear?"

- 1. Enter response as number of days
- 77. DK
- 99. Refused

Q8: Including yourself, how many other people were in your crabbing group, counting both family members and others?

- 1. Record response
- 77. DK
- 99. Refused

Q9: How many crabs did you/your group catch and keep?

- 1. Record response {1-300}
- 2. None
- 77. DK
- 99. Refused

{if Q9= 1, (i.e. respondent caught 1 or more crabs) then ask Q9a; if Q9 =77 or 99 go to Q10}:

Q9a: What did you do with the majority of your crab catch?

1. Eaten by family/Plan to eat
2. Gave away to friends
3. Sold
66. Other (specify _____)
77. DK
99. Refused

Q10: {if Q5= 1-6}: In what county were you crabbing? OR

{if Q5= 7 or 8}: What county did you launch your boat from?}

1. Record response; {if Cape May County, GO TO Q.10A; If other county, go to Q5 to complete loop again, if necessary.} {Note to programmer: see list of NJ counties at the end of this document.}
77. DK {Go to Q5 to complete loop again, if necessary.}
99. Refused {Go to Q5 to complete loop again, if necessary.}

Q10A: Were you crabbing in any of the coastal bays including Delaware Bay, or in a different body of water?

[Interviewer: DO NOT READ LIST, record body of water respondent specifies. Prompt for respondent to name water body ONLY if necessary.

1. Delaware Bay {Go to Q4 to complete loop again, if necessary.}
2. Mullica River {Go to Q4 to complete loop again, if necessary.}
3. Reed's Bay {Go to Q4 to complete loop again, if necessary.}
4. Absecon Bay {Go to Q4 to complete loop again, if necessary.}
5. Lakes Bay {Go to Q4 to complete loop again, if necessary.}
6. Great Egg Harbor {Go to Q4 to complete loop again, if necessary.}
7. Ludlams Bay {Go to Q4 to complete loop again, if necessary.}
8. Great Sound {Go to Q4 to complete loop again, if necessary.}
9. Jarvis Sound {Go to Q4 to complete loop again, if necessary.}
10. Great Bay {Go to Q4 to complete loop again, if necessary.}
11. Sculls Bay {Go to Q4 to complete loop again, if necessary.}
12. Other body of water (specify) {Go to Q4 to complete loop again, if necessary.}
77. DK {Go to Q4 to complete loop again, if necessary.}
99. Refused {Go to Q4 to complete loop again, if necessary.}

SECTION 4 - RESPONDENT DETAILS

Q11: Do you have a recreational crabbing license to use commercial-style pots?

1. Yes
2. No
77. DK
99. Refused

Gender: [Interviewer: Record gender of respondent. Voice recognition only.]

1. Male
2. Female
77. DK
99. Refused

SECTION 5 - TERMINATION

End: That concludes the survey. Thank you for your help with this critical survey. Have a good day/night.

{Terminate and save data as a completed interview}

{List of NJ Counties to use with Q. 10:}

ATLANTIC
BERGEN
BURLINGTON
CAMDEN
CAPE MAY
CUMBERLAND
ESSEX
GLOUCESTER
HUDSON
HUNTERDON
MERCER
MIDDLESEX
MONMOUTH
MORRIS
OCEAN
PASSAIC
SALEM
SOMERSET
SUSSEX
UNION
WARREN

APPENDIX B: INTERCEPT SURVEY INSTRUMENT

2006 NJ BLUE CRAB INTERCEPT SURVEY (ORC Macro, 05/25/2006)

1. ASSIGNMENT NO.	<input type="text"/>	Please indicate if this is your first or second assignment today, by writing "1" or "2."			5. INTERVIEW TIME (use 2400 clock)	<input type="text"/> <input type="text"/> <input type="text"/>	Time this interview was completed	
2. INTERVIEWER ID	<input type="text"/> <input type="text"/> <input type="text"/>			3	4	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
3. YR/MO/DAY	2	0	0	6		6. STATE CODE	7. COUNTY CODE	8. SITE CODE
4. INTERCEPT NO.	CONFIDENTIALITY STATEMENT: This study is being conducted on behalf of the NJ Dept. of Environmental Protection. Your participation is voluntary, and your responses will be kept entirely confidential.							

<p>9. Would you say you were crabbing from...</p> <p>1. <input type="checkbox"/> Pier 2. <input type="checkbox"/> Dock 3. <input type="checkbox"/> Jetty, breakwater, breach way 4. <input type="checkbox"/> Bridge, causeway 5. <input type="checkbox"/> Other man made structure (specify _____) 6. <input type="checkbox"/> Beach or bank 7. <input type="checkbox"/> Private boat 8. <input type="checkbox"/> Rental boat</p> <p>10. Was most of your crabbing effort today in the...</p> <p>1. <input type="checkbox"/> Mullica River 2. <input type="checkbox"/> Reeds Bay 3. <input type="checkbox"/> Absecon Bay 4. <input type="checkbox"/> Lakes Bay 5. <input type="checkbox"/> Great Egg Harbor 6. <input type="checkbox"/> Ludlams Bay 7. <input type="checkbox"/> Great Sound 8. <input type="checkbox"/> Jarvis Sound 9. <input type="checkbox"/> Great Bay 10. <input type="checkbox"/> Sculls Bay 11. <input type="checkbox"/> Other water body (specify _____)</p> <p>11. What type of gear was primarily used? [Interviewer Note: mark the gear with which the most crabs were caught]</p> <p>1. <input type="checkbox"/> Crab pot - commercial style [GO TO 11a and 11b] 2. <input type="checkbox"/> Trolline [GO TO 11a and 11b] 3. <input type="checkbox"/> Hand 4. <input type="checkbox"/> Hook and line/ hand line 5. <input type="checkbox"/> Dip net 6. <input type="checkbox"/> Collapsible trap 7. <input type="checkbox"/> Snelles 8. <input type="checkbox"/> Ring net 9. <input type="checkbox"/> Other (specify _____) 98. <input type="checkbox"/> Don't Know 99. <input type="checkbox"/> Refused</p>	<p>13. How many additional hours do you expect to spend crabbing today? That is, how many more will you actually have your gear in the water?</p> <p>Additional hours: _____ [Enter 88.8 if NA, 00.0 if DK or Ref.]</p> <p>14. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone recreational crabbing for blue crabs in New Jersey?</p> <p>No. of days: _____ [Enter 888 if DK, 000 if Ref.]</p> <p>15. Not counting today, within the past month, that is since (insert day) of last month, how many days?</p> <p>No. of days: _____ [Enter 88 if DK, 00 if Ref.]</p> <p>16. What is your state and county of residence? If county unknown ask: What city or town do you live in?</p> <p>_____ State Code; State Name: _____ _____ County Code; County Name: _____</p> <p>17. What is the zip code of your residence?</p> <p>00000- Foreign Country Zip Code: _____ - DK 00000- Ref</p> <p>18. Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home, or rooming house?</p> <p>1. <input type="checkbox"/> Private residence 2. <input type="checkbox"/> Institutional housing [Code Q. 19 as 8] 8. <input type="checkbox"/> Don't Know/ Not Applicable 9. <input type="checkbox"/> Refused</p> <p>19. Does your home have a landline telephone? That is, a telephone other than a cellular phone?</p> <p>1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No 8. <input type="checkbox"/> Don't Know/ Not Applicable 9. <input type="checkbox"/> Refused</p> <p>20. In the event that my supervisor wishes to verify that I have been conducting interviews here today, may I have your name and a phone number?</p> <p>Name: _____ Phone number: _____ - _____ - _____ - _____ <input type="checkbox"/> Name and/or phone number not given</p>
--	--

21. UNAVAILABLE CATCH. Did you catch any blue crabs that are not here for me to look at? For example, any that you may have thrown back? IF YES, COMPLETE TYPE 2 RECORD FOR THIS INDIVIDUAL CRABBER, DO NOT GROUP CATCH.

DISPOSITION CODES FOR Q21	
1	Thrown back alive
3	Eaten/plan to eat
4	Used for bait/plan to use for bait
5	Sold/plan to sell
6	Thrown back dead/plan to throw back dead
7	Some other purpose

# OF CRABS	DISP.

22. Did you catch any blue crabs while you were crabbing that I might be able to look at?
- 1 Yes
 2 No – Code Q23, Q24, Q25 as “Not Applicable”
 3 Yes, **BUT** crabs on another crabber’s form – Fill in Interview # where crabs are listed
 * – Code Q23, Q24, Q25 as “Not Applicable”
23. Did you catch these yourself or did someone else catch some of them?
- 1 All Caught by Crabber – Code Q24, Q25 as “Not Applicable”
 2 Other Contributors 8 Not Applicable
24. Can you separate out your individual catch?
- 1 Yes – Code 25 as “Not Applicable”
 2 No 8 Not Applicable

25. How many crabbers including yourself have their blue crabs here? Please do not include anyone who did not catch blue crabs. Only count those who have their catch here.

No. of Contributors 88 Not Applicable

BOX A. IF Q. 9 IS 1-8 (SH MODE), CODE Q. 26 AS “888,” AND CODE BOX B AS “8.”

26. How many people were crabbing on your boat today?

No. of People 888 Shore Mode

BOX B. If response to Q26 is 1, code as “Not Applicable.” Otherwise, is this the first crabber from this boat that I have interviewed?

1 Yes 8 Not Applicable
 2 No – Record Interview # of 1[#] crabber in the fishing party.

27. AVAILABLE CATCH – ASK: May I look at your blue crabs? What do you plan to do with the MAJORITY of them?

BOX D: INTERVIEWER: ASK Q. 28-30 OF ANYONE WHO PLANS TO EAT CRABS (DISP=3), WHETHER THEY CAUGHT TYPE 2 OR TYPE 3 CATCH

DISPOSITION CODES FOR Q. 27	
3 Eat/en plan to eat	7 Some other purpose
4 Used for bait/plan to use for bait	8 Don’t know/Didn’t ask
5 Sold/Plan to sell	9 Refused
6 Thrown back dead/plan to throw away dead	

TYPE 3 RECORDS: (INDIVIDUAL CATCH AVAILABLE IN WHOLE FORM)

# OF BLUE CRABS	CARAPACE WIDTH	SEX (M/F)	MAT. F? (Y/N)*	DISP.
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

*Note: If the crab is male, enter a dash (“—”) in the MAT F column.

28. [If disp = 3, plan to eat] At the next meal when you plan to eat the crabs you caught today, how many will you personally eat?

_____ [Enter number of crabs]

8. N/A, Don’t Know
 9. Refused

29. [If disp = 3, plan to eat] How often do you eat crabs that you personally catch? Would you say

1. More than once per week
 2. Once per week
 3. Twice a month
 4. Once a month
 5. Less than once per month
 6. N/A, Don’t Know
 9. Refused

30. [If disp = 3, plan to eat] Do you clean out the green gland (tomalley)...

1. Before cooking
 2. After cooking, but before eating
 3. Eat green gland separately in soup, stew, etc.
 6. N/A, Don’t Know
 9. Refused

ADDITIONAL NOTES/COMMENTS:

APPENDIX C: SITE REGISTER

NJ Blue Crab 2006 Site Register								
Site Code	County Code	Site Name	ADDRESS	DIRECTIONS	PHONE	Type	Pressure	AUG
1075	029	First Bridge Marina & Kayaks	500 Great Bay Blvd, Little Egg Harbor Township		609- 296-1888	B	1	
0142	029	Cape Horn Marina	570 Great Bay Blvd, Little Egg Harbor Township		609- 296-4456	B	2	
OC01	029	GREAT BAY BLVD BRIDGES #2	GREAT BAY BLVD, LITTLE EGG HARBOR TOWNSHIP			R	3	
OC02	029	GREAT BAY BLVD BRIDGES #3	GREAT BAY BLVD, LITTLE EGG HARBOR TOWNSHIP			R	3	
OC03	029	GREAT BAY BLVD BRIDGES #4	GREAT BAY BLVD, LITTLE EGG HARBOR TOWNSHIP			R	3	
1495	029	GREAT BAY BLVD BRIDGES #5	GREAT BAY BLVD, LITTLE EGG HARBOR TOWNSHIP			R	2	
1831	001	UP THE CREEK MARINA	139 E Faunce Landing Rd, Absecon FAUNCE LANDING RD @ ABSECON CREEK, ABSECON		609- 272-9252	B	1	
AC01	001	FAUNCE LANDING	FAUNCE LANDING RD @ ABSECON CREEK, ABSECON			R	1	
AC02	001	RTE 9 - NEW RD	RTE 9 @ ABSECON CREEK, ABSECON			R	1	
AC03	001	OHIO AVE	OHIO AVE @ ABSECON CREEK, ABSECON			R	1	
AC05	001	OCEAN AVE	EB FORSYTHE NATIONAL WILDLIFE REFUGE, GALLOWAY			R	1	
1571	001	SCOTTS LANDING RD	EB FORSYTHE NWR-Scotts Landing Rd, LEEDS POINT		609- 651-1665	R	1	
AC41	001	RTE 30 BRIDGE 1	AC CAUSEWAY-RTE 30, ATLANTIC CITY			R	3	
AC42	001	RTE 30 BRIDGE 2	AC CAUSEWAY-RTE 30, ATLANTIC CITY			R	3	
AC43	001	RTE 30 BRIDGE 3	AC CAUSEWAY-RTE 30, ATLANTIC CITY			R	3	
AC44	001	RTE 30 BRIDGE 4	AC CAUSEWAY-RTE 30, ATLANTIC CITY			R	3	
AC45	001	RTE 30 BRIDGE 5	AC CAUSEWAY-RTE 30, ATLANTIC CITY			R	2	
AC46	001	RTE 30 BRIDGE 6	AC CAUSEWAY-RTE 30, ATLANTIC CITY			R	3	
AC08	001	BADER FIELD	RTE 40 BLACK HORSE PIKE & WEST END AVE., ATLANTIC CITY			R	1	
0005	001	RAY SCOTTS DOCK	9211 Amherst Ave, Margate City		609- 822-6819	B	1	
AC09	001	WINCHESTER AVE	WINCHESTER AVE & INSIDE THOROUGHFARE, VINNOR CITY			R	1	
AC07	001	ATLANTIC CITY HIGH SCHOOL	RTE 40 BLACK HORSE PIKE TO 1400 N ALBANY AVE., ATLANTIC CITY		609- 343-7300	R	1	
AC13	001	KLINGENER PIER	RTE 152 LONGPORT BLVD @ BROAD THOROUGHFARE, EGG HARBOR TOWNSHIP			R	1	
AC10	001	PATCONG CREEK	POLAR AVE @ PATCONG CREEK, EGG HARBOR TOWNSHIP			R	1	
AC11	001	SCULL BAY	SCULL BAY @ COUNTRY CLUB LANE, LINWOOD			R	1	
AC12	001	SEAVIEW AVE	SEAVIEW AVE, LINWOOD	Located in Linwood just north of Somers Pt - take Rt 9 to Ocean Heights Ave (Rt 559) east - take Ocean Heights Ave to Shore Rd (Rt 585) - follow Shore Rd and make a right onto Seaview Ave - follow Seaview Ave to end - it meets/provides access to Sculls Creek - this is the intercept location				
AC00	001	MISTY MORNING MARINA LLC	1820 Somers Point Rd, Egg Harbor Township		609- 927-5303	B	1	
AC14	001	JEFFRIES LANDING	JEFFRIES LANDING - JOBS PT RD @ GREAT EGG HARBOR BAY, Egg Harbor Township			R	1	
0014	001	J&J GATEWAY MARINA	Rte 559 Patcong Creek-Mays Landing-Somers Point Rd, Somers Point		609- 927-5303	B	1	
AC15	001	DRAG CHANNEL	RTE 9 & DRAG CHANNEL - GREAT EGG HARBOR BAY, Somers Point			R	1	

CM01	009	12TH ST PIER	12TH ST & GREAT BGB HARBOR BAY, OCEAN CITY		R	1
CM02	009	34TH ST BRIDGE	RTE 623 ROOSEVELT BLVD		R	2
CM03	009	ROOSEVELT BLVD- WALKOUT 1	RTE 623 ROOSEVELT BLVD, OCEAN CITY	Roosevelt Blvd - east to Ocean City - once you leave the mainland and drive to Ocean City there are 2 places where you can pull off with access (walkout access) to some of the tidal creeks of Peck Bay - you will reach these sites prior to getting to Ocean City and site CM02 - 34 St Bridge	R	2
CM04	009	ROOSEVELT BLVD- WALKOUT 2	RTE 623 ROOSEVELT BLVD, OCEAN CITY	Roosevelt Blvd - east to Ocean City - once you leave the mainland and drive to Ocean City there are 2 places where you can pull off with access (walkout access) to some of the tidal creeks of Peck Bay - you will reach these sites prior to getting to Ocean City and site CM02 - 34 St Bridge	R	2
CM05	009	RTE 50	RTE 50 @ GREAT CEDAR SWAMP CREEK, UPPER TOWNSHIP	See directions for site CM05. Continue on Rt 50 south (past sites CM05, CM06, CM07) for a few more miles - you will go over an overpass, a railroad bridge specifically, for Cedar Swamp Creek located within the Cape May National Wildlife Refuge - the location is at the overpass.	R	2
CM06	009	MACNAMARA WMA: SPILLWAY	TUCKAHOE/LG MACNAMARA WMA, UPPER TOWNSHIP	Sites CM05, CM06 and CM07 - they are all in the southern end of the Macnamara/Tuckahoe Wildlife Management Area just into Cape May county. Take Rt 50 south to Rt 631 east - Tuckahoe Rd - once on Rt 631 look for an entrance to the WMA on the left - once in the WMA there will be a road on the right for the shotgun range - that road will allow you to drive or access the sites around a large impoundment in the WMA. The first site will be CM05.	R	2
CM07	009	MACNAMARA WMA: CULVERT 2	TUCKAHOE/LG MACNAMARA WMA, UPPER TOWNSHIP	Sites CM05, CM06 and CM07 - they are all in the southern end of the Macnamara/Tuckahoe Wildlife Management Area just into Cape May county. Take Rt 50 south to Rt 631 east - Tuckahoe Rd - once on Rt 631 look for an entrance to the WMA on the left - once in the WMA there will be a road on the right for the shotgun range - that road will allow you to drive or access the sites around a large impoundment in the WMA. The first site will be CM05.	R	2
CM08	009	MACNAMARA WMA: CULVERT 1	TUCKAHOE/LG MACNAMARA WMA, UPPER TOWNSHIP	Sites CM05, CM06 and CM07 - they are all in the southern end of the Macnamara/Tuckahoe Wildlife Management Area just into Cape May county. Take Rt 50 south to Rt 631 east - Tuckahoe Rd - once on Rt 631 look for an entrance to the WMA on the left - once in the WMA there will be a road on the right for the shotgun range - that road will allow you to drive or access the sites around a large impoundment in the WMA. The first site will be CM05.	R	2
CM09	9	MOSQUITO LANDING RD	MOSQUITO LANDING ROAD, BOAT LAUNCH SITE, UPPER TOWNSHIP	NORTH WEST EXIT FROM TUCKAHOE/LG MACNAMAH MA UPPER TOWNSHIP LAST RIGHT OFF MOSQUITO LANDING ROAD. AFTER LEAVING WMA AT ITS N.W. EXIT ONTO MOSQUITO LANDING ROAD AND TURN RIGHT TO BOAT LAUNCH ON THE TUCKAHOE RIVER.	R	1
1164	009	LARSENS MARINA	Old Sea Isle Blvd., Sea Isle City	609- 263-1554	B	3
0037	009	SUNSET PIER	86th St., Sea Isle City	609- 263-8174	B	1
CM09	009	SEA ISLE BLVD	RTE 625 SEA ISLE BLVD., Sea Isle City		R	3
1165	009	FRANKS BOAT RENTAL	100 S Bayview Dr. Strathmere	609- 263-6913	B	3

CM10	009	SHELL BAY AVE PIER	SHELL BAY AVE, MIDDLE TOWNSHIP			R	1
1967	009	SMUGGLERS COVE	370 83rd St, Stone Harbor		609- 368-1700	B	1
1057	009	STONE HARBOR MUNICIPAL MARINA	81st ST & GULL ISLAND THOROUGHFARE, Stone Harbor		609- 368-8829	R	1
1033	009	Grassy Sound Marina	13 N. Wildwood Blvd Grassy Sound	Formerly Old Bridge Marina	609- 848-1400	B	3
0091	009	DADS PLACE	501 Ocean Dr, Wildwood		609- 522-3911	B	2
CM11	009	OLD BRIDGE PIER	RTE 147 NORTH WILLOWOOD RD, Wildwood	next to Grassy Sound Marina		R	2
CM14	009	RTE 47 & CARING CREEK	RTE 47 @ CARING CREEK, LOWER TOWNSHIP			R	2
CM13	009	CANAL SIDE RENTAL	1710 Delaware Ave, North Wildwood	18th and Delaware Ave	609- 522-7676	B	2
CM12	009	SUNSET VIEW MARINA	235 W 3rd Ave, Wildwood		609- 848-1754	B	2
1147	009	PIER 47 MARINA	3001 Wildwood Blvd, Wildwood		609- 729-4774	R	2
CM15	009	LAKEVIEW DOCK	7118 Park Blvd, Wildwood		609- 522-0471	B	1
CM16	009	CAPE MAY NATIONAL WILDLIFE REFUGE	RTE 621 OCEAN DRIVE, LOWER TOWNSHIP			R	2
"Pressure ranking - 1 = low pressure, 2 = moderate pressure, 3 = high pressure							
'B' indicates a boat rental or marina and 'R' indicates a shore based location (pier, overpass, creek bank etc).							

APPENDIX D: ELIGIBILITY SCREENER

Survey Introduction and Determination of Eligibility

To be eligible for an interview, a crabber must meet the following criteria:

- Must be a recreational crabber who intended to catch blue crabs, or an angler or shellfisher who has incidentally caught blue crabs;
- Must be at least one-third done with the crabbing trip; and
- Must be five years of age or older [If not, code as "Not 5 Yrs" on ASF].

Hello, my name is _____ and I represent Macro International. We are interviewing recreational crabbers for a study sponsored by the New Jersey Department of Environmental Protection. I'd like to ask you a few questions about your crabbing.

- (1) Was the primary purpose of your trip today for recreation, that is, for fun and relaxation, or was it to provide income either from the sale of crabs or from the sale of the crabbing opportunity?**

Recreation	→	Continue
To provide income	→	End interview, crabber not eligible [Code as "Not Rec" on ASF]

- (2) Were you targeting blue crabs today?**

Yes	→	Go to question 4
No	→	Continue with question 3

- (3) Did you catch any blue crabs today?**

Yes	→	Continue to question 4
No	→	End interview, crabber not eligible

- (4) [If the crabber is actively crabbing] How many hours have you been crabbing today?**

Note number of hours. → Continue with question 5

- (5) And how many more hours do you expect to be crabbing?**

If 1/3 done	→	Continue to intercept interview
If not 1/3 done	→	End interview, crabber not eligible

APPENDIX E: EFFORT ESTIMATES

Resident Effort: Total Number of Crabber Trips by Season

Season	-Tri County-					-Cape May-					-Atlantic-					-Ocean/Burlington-				
	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI				
May-Oct	2157	127509	12.4	[96587, 158431]	649	34059	16.8	[22821, 45297]	1006	52492	25.7	[26016, 78967]	502	40958	14.1	[29604, 52313]				
May-Jun	458	25980	43.5	[3832, 48129]	144	6526	32.5	[2370, 10682]	185	13380	81.8	[0, 34840]	129	6074	30.0	[2498, 9649]				
Jul-Aug	1004	70743	13.2	[52400, 89086]	294	14741	25.6	[7356, 22127]	493	32265	22.5	[18023, 46507]	217	23737	19.1	[14844, 32629]				
Sep-Oct	695	30785	19.1	[19281, 42290]	211	12791	29.6	[5373, 20209]	328	6846	47.7	[451, 13240]	156	11148	27.6	[5112, 17184]				

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

Resident Effort: Total Number of Crabber Trips by Gear

Gear	-Tri County-					-Cape May-					-Atlantic-					-Ocean/Burlington-				
	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI				
All Gear	2157	127509	12.4	[96587, 158431]	649	34059	16.8	[22821, 45297]	1006	52492	25.7	[26016, 78967]	502	40958	14.1	[29604, 52313]				
Crab pot	2157	16473	22.3	[9262, 23684]	649	8428	34.0	[2820, 14037]	1006	1273	59.9	[0, 2768]	502	6772	32.2	[2493, 11051]				

	-Tri County-					-Cape May-					-Atlantic-					-Ocean/Burlington-				
Gear	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI				
Coll. Trap	2157	53377	23.4	[28880, 77874]	649	10159	27.7	[4650, 15669]	1006	30173	39.1	[7070, 53276]	502	13044	23.5	[7044, 19044]				
Other Gear	2157	57659	15.7	[39945, 75373]	649	15471	27.1	[7266, 23676]	1006	21045	31.9	[7898, 34193]	502	21142	20.7	[12563, 29722]				

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

Resident Effort: Total Number of Crabber Trips by Mode

	-Tri County-					-Cape May-					-Atlantic-					-Ocean/Burlington-				
Mode	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI				
All	2157	127509	12.4	[96587, 158431]	649	34059	16.8	[22821, 45297]	1006	52492	25.7	[26016, 78967]	502	40958	14.1	[29604, 52313]				
Land	2157	80877	17.4	[53243, 108511]	649	19972	22.1	[11310, 28633]	1006	35030	36.0	[10287, 59773]	502	25875	17.2	[17136, 34615]				
Boat	2157	46632	15.7	[32268, 60996]	649	14087	26.2	[6851, 21323]	1006	17461	28.5	[7691, 27232]	502	15083	25.9	[7434, 22732]				

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

Resident Effort: Total Number of Crabber Trips by Season, Mode, Gear

Season	Mode	Gear	-Tri County-					-Cape May-					-Atlantic-					-Ocean/Burlington-				
			Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Season	Mode	Gear	Samp Size	Samp Size	Total	CV	95% CI				
May-Oct	All	All Gear	2157	127509	12.4	[96587, 158431]	649	34059	16.8	[22821, 45297]	1006	52492	25.7	[26016, 78967]	502	40958	14.1	[29604, 52313]				
May-Oct	All	Crab pot	2157	16473	22.3	[9262, 23684]	649	8428	34.0	[2820, 14037]	1006	1273	59.9	[0, 2768]	502	6772	32.2	[2493, 11051]				

			-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
Season	Mode	Gear	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Season	Mode	Gear	Samp Size	Samp Size	Total	CV	95% CI
May-Oct	All	Coll. Trap	2157	53377	23.4	[28880, 77874]	649	10159	27.7	[4650, 15669]	1006	30173	39.1	[7070, 53276]	502	13044	23.5	[7044, 19044]
May-Oct	All	Other Gear	2157	57659	15.7	[39945, 75373]	649	15471	27.1	[7266, 23676]	1006	21045	31.9	[7898, 34193]	502	21142	20.7	[12563, 29722]
May-Oct	Land	All Gear	2157	80877	17.4	[53243, 108511]	649	19972	22.1	[11310, 28633]	1006	35030	36.0	[10287, 59773]	502	25875	17.2	[17136, 34615]
May-Oct	Land	Crab pot	2157	11730	27.1	[5492, 17969]	649	5141	45.1	[592, 9689]	1006	981	71.9	[0, 2364]	502	5608	36.8	[1568, 9647]
May-Oct	Land	Coll. Trap	2157	41327	29.0	[17827, 64828]	649	6965	32.9	[2471, 11458]	1006	23454	48.7	[1045, 45862]	502	10909	25.6	[5436, 16382]
May-Oct	Land	Other Gear	2157	27820	24.0	[14752, 40887]	649	7866	37.9	[2018, 13714]	1006	10595	50.9	[18, 21173]	502	9358	27.1	[4391, 14326]
May-Oct	Boat	All Gear	2157	46632	15.7	[32268, 60996]	649	14087	26.2	[6851, 21323]	1006	17461	28.5	[7691, 27232]	502	15083	25.9	[7434, 22732]
May-Oct	Boat	Crab pot	2157	4743	36.7	[1327, 8159]	649	3287	47.1	[250, 6325]	1006	291	100.0	[0, 863]	502	1164	63.8	[0, 2618]
May-Oct	Boat	Coll. Trap	2157	12049	30.1	[4941, 19158]	649	3194	51.5	[0, 6420]	1006	6720	44.1	[907, 12533]	502	2135	60.2	[0, 4654]
May-Oct	Boat	Other Gear	2157	29840	20.7	[17750, 41929]	649	7605	38.8	[1817, 13394]	1006	10450	38.5	[2574, 18327]	502	11784	30.8	[4670, 18897]
May-Jun	All	All Gear	458	25980	43.5	[3832, 48129]	144	6526	32.5	[2370, 10682]	185	13380	81.8	[0, 34840]	129	6074	30.0	[2498, 9649]
May-Jun	All	Crab pot	458	3071	42.8	[498, 5645]	144	1903	58.4	[0, 4084]	185	0	.	[0, 0]	129	1168	59.7	[0, 2535]
May-Jun	All	Coll. Trap	458	18343	60.5	[0, 40103]	144	4079	43.3	[621, 7537]	185	12473	87.6	[0, 33897]	129	1791	45.6	[190, 3392]
May-Jun	All	Other Gear	458	4566	38.3	[1142, 7990]	144	544	100.0	[0, 1610]	185	907	70.4	[0, 2160]	129	3115	49.2	[111, 6118]
May-Jun	Land	All Gear	458	21665	51.7	[0, 43601]	144	3535	47.7	[231, 6839]	185	13380	81.8	[0, 34840]	129	4750	33.5	[1630, 7870]
May-Jun	Land	Crab pot	458	1361	64.4	[0, 3079]	144	816	100.0	[0, 2415]	185	0	.	[0, 0]	129	545	58.8	[0, 1173]
May-Jun	Land	Coll. Trap	458	16983	65.1	[0, 38663]	144	2719	54.6	[0, 5627]	185	12473	87.6	[0, 33897]	129	1791	45.6	[190, 3392]

			-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
Season	Mode	Gear	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Season	Mode	Gear	Samp Size	Samp Size	Total	CV	95% CI
May-Jun	Land	Other Gear	458	3321	45.4	[364, 6279]	144	0	.	[0, 0]	185	907	70.4	[0, 2160]	129	2414	56.6	[0, 5093]
May-Jun	Boat	All Gear	458	4315	37.9	[1113, 7517]	144	2991	44.7	[369, 5613]	185	0	.	[0, 0]	129	1324	70.8	[0, 3162]
May-Jun	Boat	Crab pot	458	1711	57.7	[0, 3646]	144	1088	70.4	[0, 2589]	185	0	.	[0, 0]	129	623	100.0	[0, 1844]
May-Jun	Boat	Coll. Trap	458	1360	71.8	[0, 3274]	144	1360	71.8	[0, 3274]	185	0	.	[0, 0]	129	0	.	[0, 0]
May-Jun	Boat	Other Gear	458	1245	71.3	[0, 2983]	144	544	100.0	[0, 1610]	185	0	.	[0, 0]	129	701	100.0	[0, 2074]
Jul-Aug	All	All Gear	1004	70743	13.2	[52400, 89086]	294	14741	25.6	[7356, 22127]	493	32265	22.5	[18023, 46507]	217	23737	19.1	[14844, 32629]
Jul-Aug	All	Crab pot	1004	5810	36.1	[1698, 9922]	294	2120	70.6	[0, 5053]	493	1273	59.9	[0, 2766]	217	2418	52.0	[0, 4882]
Jul-Aug	All	Coll. Trap	1004	26373	19.4	[16338, 36408]	294	2923	46.4	[266, 5580]	493	13531	29.8	[5615, 21447]	217	9919	28.6	[4354, 15485]
Jul-Aug	All	Other Gear	1004	38560	19.7	[23639, 53481]	294	9698	33.4	[3355, 16042]	493	17462	35.0	[5489, 29434]	217	11400	28.0	[5150, 17650]
Jul-Aug	Land	All Gear	1004	43054	17.8	[28066, 58043]	294	8470	31.7	[3201, 13739]	493	20260	30.7	[8070, 32450]	217	14325	24.8	[7374, 21276]
Jul-Aug	Land	Crab pot	1004	4249	41.5	[797, 7702]	294	1025	100.0	[0, 3034]	493	981	71.9	[0, 2364]	217	2243	55.6	[0, 4687]
Jul-Aug	Land	Coll. Trap	1004	20622	21.0	[12129, 29115]	294	2667	50.0	[54, 5280]	493	9591	33.2	[3346, 15835]	217	8365	31.3	[3235, 13494]
Jul-Aug	Land	Other Gear	1004	18183	32.8	[6504, 29861]	294	4778	44.4	[623, 8933]	493	9688	55.2	[0, 20169]	217	3717	41.8	[672, 6761]
Jul-Aug	Boat	All Gear	1004	27689	20.4	[16623, 38755]	294	6272	43.0	[981, 11562]	493	12005	32.6	[4330, 19680]	217	9412	32.3	[3449, 15375]
Jul-Aug	Boat	Crab pot	1004	1561	73.4	[0, 3808]	294	1095	100.0	[0, 3240]	493	291	100.0	[0, 863]	217	175	100.0	[0, 517]
Jul-Aug	Boat	Coll. Trap	1004	5751	48.5	[286, 11216]	294	256	100.0	[0, 758]	493	3940	64.1	[0, 8894]	217	1555	73.9	[0, 3808]
Jul-Aug	Boat	Other Gear	1004	20377	23.6	[10964, 29790]	294	4921	50.1	[89, 9752]	493	7774	38.5	[1902, 13645]	217	7683	36.8	[2134, 13232]

			-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
Season	Mode	Gear	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Season	Mode	Gear	Samp Size	Samp Size	Total	CV	95% CI
Sep-Oct	All	All Gear	695	30785	19.1	[19281, 42290]	211	12791	29.6	[5373, 20209]	328	6846	47.7	[451, 13240]	156	11148	27.6	[5112, 17184]
Sep-Oct	All	Crab pot	695	7591	35.9	[2249, 12934]	211	4405	49.3	[145, 8666]	328	0	.	[0, 0]	156	3186	51.6	[0, 6409]
Sep-Oct	All	Coll. Trap	695	8660	30.8	[3436, 13884]	211	3157	54.6	[0, 6537]	328	4169	45.4	[457, 7882]	156	1334	55.2	[0, 2778]
Sep-Oct	All	Other Gear	695	14534	31.3	[5629, 23438]	211	5229	49.8	[126, 10332]	328	2677	100.0	[0, 7923]	156	6628	39.0	[1557, 11699]
Sep-Oct	Land	All Gear	695	16157	24.4	[8415, 23899]	211	7967	38.9	[1899, 14035]	328	1390	79.1	[0, 3543]	156	6801	32.3	[2502, 11100]
Sep-Oct	Land	Crab pot	695	6120	40.9	[1215, 11025]	211	3300	58.1	[0, 7057]	328	0	.	[0, 0]	156	2820	57.0	[0, 5973]
Sep-Oct	Land	Coll. Trap	695	3722	44.2	[496, 6948]	211	1579	72.1	[0, 3810]	328	1390	79.1	[0, 3543]	156	753	60.2	[0, 1643]
Sep-Oct	Land	Other Gear	695	6316	40.8	[1264, 11368]	211	3088	68.4	[0, 7225]	328	0	.	[0, 0]	156	3227	45.8	[328, 6127]
Sep-Oct	Boat	All Gear	695	14628	30.0	[6040, 23216]	211	4825	44.5	[621, 9028]	328	5456	56.5	[0, 11503]	156	4347	51.9	[0, 8766]
Sep-Oct	Boat	Crab pot	695	1471	59.1	[0, 3177]	211	1105	71.4	[0, 2652]	328	0	.	[0, 0]	156	366	100.0	[0, 1084]
Sep-Oct	Boat	Coll. Trap	695	4939	42.6	[812, 9065]	211	1579	82.3	[0, 4126]	328	2779	55.8	[0, 5820]	156	580	100.0	[0, 1718]
Sep-Oct	Boat	Other Gear	695	8218	45.8	[845, 15591]	211	2141	71.6	[0, 5148]	328	2677	100.0	[0, 7923]	156	3400	63.3	[0, 7619]

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

Total Effort (Resident + Non-Resident): Total Number of Crabber Trips by Season

	-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Season	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
May-Oct	263087	12.8	[197177, 328996]	127509	12.4	[96587, 158431]	135578	21.9	[77494, 193662]

	-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Season	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
May-Jun	52401	44.0	[7196, 97606]	25980	43.5	[3832, 48129]	26421	76.1	[0, 65808]
Jul-Aug	162025	13.9	[117816, 206235]	70743	13.2	[52400, 89086]	91282	22.4	[51151, 131413]
Sep-Oct	48660	19.5	[30055, 67266]	30785	19.1	[19281, 42290]	17875	41.5	[3320, 32431]

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

Total Effort (Resident + Non-Resident): Total Number of Crabber Trips by Gear

	-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Gear	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
All Gear	263087	12.8	[197177, 328996]	127509	12.4	[96587, 158431]	135578	21.9	[77494, 193662]
Crab pot	31501	22.3	[17752, 45251]	16473	22.3	[9262, 23684]	15028	39.9	[3263, 26793]
Coll. Trap	111089	23.5	[59825, 162354]	53377	23.4	[28880, 77874]	57713	39.8	[12714, 102712]
Other Gear	120496	16.5	[81419, 159573]	57659	15.7	[39945, 75373]	62837	28.2	[28046, 97627]

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

Total Effort (Resident + Non-Resident): Total Number of Crabber Trips by Mode

	-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Mode	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
All	263087	12.8	[197177, 328996]	127509	12.4	[96587, 158431]	135578	21.9	[77494, 193662]

	-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Mode	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
Land	167845	17.7	[109480, 226211]	80877	17.4	[53243, 108511]	86968	30.2	[35544, 138392]
Boat	95241	16.4	[64622, 125861]	46632	15.7	[32268, 60996]	48609	28.3	[21604, 75615]

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

Total Effort (Resident + Non-Resident): Total Number of Crabber Trips by Season, Mode, and Gear

			-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Season	Mode	Gear	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
May-Oct	All	All Gear	263087	12.8	[197177, 328996]	127509	12.4	[96587, 158431]	135578	21.9	[77494, 193662]
May-Oct	All	Crab pot	31501	22.3	[17752, 45251]	16473	22.3	[9262, 23684]	15028	39.9	[3263, 26793]
May-Oct	All	Coll. Trap	111089	23.5	[59825, 162354]	53377	23.4	[28880, 77874]	57713	39.8	[12714, 102712]
May-Oct	All	Other Gear	120496	16.5	[81419, 159573]	57659	15.7	[39945, 75373]	62837	28.2	[28046, 97627]
May-Oct	Land	All Gear	167845	17.7	[109480, 226211]	80877	17.4	[53243, 108511]	86968	30.2	[35544, 138392]
May-Oct	Land	Crab pot	22151	27.2	[10350, 33951]	11730	27.1	[5492, 17969]	10420	49.0	[405, 20436]
May-Oct	Land	Coll. Trap	87369	28.7	[38296, 136442]	41327	29.0	[17827, 64828]	46042	47.7	[2964, 89119]
May-Oct	Land	Other Gear	58326	25.6	[29015, 87636]	27820	24.0	[14752, 40887]	30506	43.9	[4268, 56745]
May-Oct	Boat	All Gear	95241	16.4	[64622, 125861]	46632	15.7	[32268, 60996]	48609	28.3	[21604, 75615]

			-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Season	Mode	Gear	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
May-Oct	Boat	Crab pot	9351	38.5	[2294, 16407]	4743	36.7	[1327, 8159]	4608	68.3	[0, 10780]
May-Oct	Boat	Coll. Trap	23720	31.9	[8893, 38548]	12049	30.1	[4941, 19158]	11671	56.9	[0, 24682]
May-Oct	Boat	Other Gear	62170	21.2	[36326, 88014]	29840	20.7	[17750, 41929]	32330	36.1	[9484, 55176]
May-Jun	All	All Gear	52401	44.0	[7196, 97606]	25980	43.5	[3832, 48129]	26421	76.1	[0, 65808]
May-Jun	All	Crab pot	6195	43.5	[915, 11475]	3071	42.8	[498, 5645]	3124	75.2	[0, 7726]
May-Jun	All	Coll. Trap	36997	61.1	[0, 81337]	18343	60.5	[0, 40103]	18654	105.7	[0, 57285]
May-Jun	All	Other Gear	9209	39.0	[2168, 16250]	4566	38.3	[1142, 7990]	4643	67.6	[0, 10792]
May-Jun	Land	All Gear	43698	52.2	[0, 88421]	21665	51.7	[0, 43601]	22033	90.2	[0, 61000]
May-Jun	Land	Crab pot	2745	65.1	[0, 6245]	1361	64.4	[0, 3079]	1384	112.4	[0, 4434]
May-Jun	Land	Coll. Trap	34255	65.8	[0, 78423]	16983	65.1	[0, 38663]	17271	113.7	[0, 55753]
May-Jun	Land	Other Gear	6698	46.4	[610, 12787]	3321	45.4	[364, 6279]	3377	80.4	[0, 8699]
May-Jun	Boat	All Gear	8703	38.6	[2123, 15282]	4315	37.9	[1113, 7517]	4388	66.6	[0, 10120]
May-Jun	Boat	Crab pot	3450	58.5	[0, 7403]	1711	57.7	[0, 3646]	1740	101.1	[0, 5187]
May-Jun	Boat	Coll. Trap	2742	72.4	[0, 6635]	1360	71.8	[0, 3274]	1383	125.1	[0, 4773]
May-Jun	Boat	Other Gear	2510	71.9	[0, 6047]	1245	71.3	[0, 2983]	1266	124.1	[0, 4345]
Jul-Aug	All	All Gear	162025	13.9	[117816, 206235]	70743	13.2	[52400, 89086]	91282	22.4	[51151, 131413]
Jul-Aug	All	Crab pot	13307	36.7	[3741, 22873]	5810	36.1	[1698, 9922]	7497	58.8	[0, 16131]

			-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Season	Mode	Gear	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
Jul-Aug	All	Coll. Trap	60404	20.5	[36088, 84720]	26373	19.4	[16338, 36408]	34030	33.2	[11911, 56150]
Jul-Aug	All	Other Gear	88315	20.6	[52654, 123975]	38560	19.7	[23639, 53481]	49755	33.2	[17402, 82107]
Jul-Aug	Land	All Gear	98609	18.3	[63236, 133981]	43054	17.8	[28066, 58043]	55554	29.5	[23448, 87660]
Jul-Aug	Land	Crab pot	9732	42.2	[1686, 17778]	4249	41.5	[797, 7702]	5483	67.6	[0, 12751]
Jul-Aug	Land	Coll. Trap	47232	22.4	[26482, 67981]	20622	21.0	[12129, 29115]	26609	36.3	[7678, 45541]
Jul-Aug	Land	Other Gear	41645	33.7	[14150, 69140]	18183	32.8	[6504, 29861]	23462	54.1	[0, 48353]
Jul-Aug	Boat	All Gear	63417	21.3	[36898, 89935]	27689	20.4	[16623, 38755]	35728	34.4	[11651, 59805]
Jul-Aug	Boat	Crab pot	3575	73.9	[0, 8749]	1561	73.4	[0, 3808]	2014	118.1	[0, 6675]
Jul-Aug	Boat	Coll. Trap	13172	49.1	[494, 25850]	5751	48.5	[286, 11216]	7421	78.6	[0, 18861]
Jul-Aug	Boat	Other Gear	46670	24.8	[23960, 69379]	20377	23.6	[10964, 29790]	26293	40.1	[5626, 46959]
Sep-Oct	All	All Gear	48660	19.5	[30055, 67266]	30785	19.1	[19281, 42290]	17875	41.5	[3320, 32431]
Sep-Oct	All	Crab pot	11999	35.5	[3654, 20345]	7591	35.9	[2249, 12934]	4408	75.6	[0, 10941]
Sep-Oct	All	Coll. Trap	13689	31.4	[5277, 22100]	8660	30.8	[3436, 13884]	5029	66.8	[0, 11610]
Sep-Oct	All	Other Gear	22972	31.9	[8628, 37317]	14534	31.3	[5629, 23438]	8439	67.8	[0, 19658]
Sep-Oct	Land	All Gear	25539	24.9	[13085, 37993]	16157	24.4	[8415, 23899]	9382	53.0	[0, 19135]

			-Tri County Total-			-Resident Effort-			-Non Resident Effort-		
Season	Mode	Gear	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
Sep-Oct	Land	Crab pot	9674	41.6	[1784, 17564]	6120	40.9	[1215, 11025]	3554	88.7	[0, 9734]
Sep-Oct	Land	Coll. Trap	5883	44.9	[706, 11059]	3722	44.2	[496, 6948]	2161	95.6	[0, 6209]
Sep-Oct	Land	Other Gear	9983	41.5	[1855, 18110]	6316	40.8	[1264, 11368]	3667	88.6	[0, 10034]
Sep-Oct	Boat	All Gear	23122	30.5	[9300, 36944]	14628	30.0	[6040, 23216]	8494	64.9	[0, 19298]
Sep-Oct	Boat	Crab pot	2326	59.6	[0, 5045]	1471	59.1	[0, 3177]	854	126.4	[0, 2972]
Sep-Oct	Boat	Coll. Trap	7806	43.3	[1176, 14436]	4939	42.6	[812, 9065]	2868	92.3	[0, 8056]
Sep-Oct	Boat	Other Gear	12990	46.4	[1170, 24809]	8218	45.8	[845, 15591]	4772	98.8	[0, 14010]

Note: Crabber trips are trips per person (i.e. 2 crabbers on a trip = 2 crabber trips)

APPENDIX F: HARVEST ESTIMATES

Residential Harvest (Seen and Unseen): Number of Crabs Kept from Resident trips by Season

Season	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	485804	14.5	[347911, 623696]	130985	17.2	[86707, 175262]	202480	29.8	[84190, 320770]	152339	14.7	[108327, 196350]
May-Jun	120110	45.4	[13177, 227044]	29905	34.0	[9999, 49811]	63383	82.6	[0, 166032]	26822	31.6	[10185, 43460]
Jul-Aug	248945	15.3	[174288, 323602]	52570	27.1	[24692, 80449]	113135	24.1	[59682, 166587]	83240	20.3	[50185, 116295]
Sep-Oct	116748	19.6	[71963, 161534]	48510	29.5	[20455, 76564]	25962	48.1	[1498, 50427]	42276	28.8	[18453, 66100]

Residential Harvest (Seen): Number of Crabs Kept from Resident trips by Season

Season	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	445188	14.7	[317262, 573114]	119877	17.3	[79227, 160527]	186509	30.2	[76184, 296835]	138801	14.8	[98627, 178976]
May-Jun	108515	47.2	[8206, 208824]	26689	34.4	[8668, 44710]	59146	83.4	[0, 155797]	22680	31.2	[8798, 36562]
Jul-Aug	223694	15.2	[157178, 290210]	46245	26.8	[21943, 70546]	102239	23.8	[54595, 149883]	75210	20.2	[45382, 105038]
Sep-Oct	112979	19.6	[69634, 156324]	46943	29.5	[19794, 74093]	25124	48.1	[1449, 48799]	40911	28.8	[17856, 63967]

Residential Harvest (Unseen): Number of Crabs Kept from Resident trips by Season

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	40616	25.3	[20487, 60744]	11108	26.6	[5310, 16905]	15971	35.4	[4901, 27040]	13537	27.1	[6357, 20717]
May-Jun	11595	40.1	[2478, 20712]	3216	40.9	[639, 5793]	4237	76.7	[0, 10609]	4142	46.1	[397, 7887]
Jul-Aug	25251	35.9	[7482, 43020]	6326	40.9	[1259, 11392]	10895	42.2	[1887, 19904]	8030	38.3	[2001, 14059]
Sep-Oct	3770	34.0	[1260, 6279]	1566	37.1	[426, 2706]	838	54.2	[0, 1729]	1365	40.5	[281, 2450]

Residential Harvest (Seen and Unseen): Number of Crabs Kept from Resident trips by Gear

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	485804	14.5	[347911, 623696]	130985	17.2	[86707, 175262]	202480	29.8	[84190, 320770]	152339	14.7	[108327, 196350]
Crab pot	62929	22.7	[34992, 90866]	32502	33.1	[11425, 53580]	4608	60.6	[0, 10078]	25819	32.6	[9312, 42327]
Coll. Trap	208694	27.8	[94973, 322414]	41225	28.6	[18091, 64359]	120642	45.3	[13449, 227836]	46827	24.2	[24622, 69031]
Other Gear	214181	17.3	[141370, 286992]	57258	27.9	[25936, 88580]	77230	32.8	[27510, 126950]	79693	21.9	[45466, 113920]

Residential Harvest (Seen): Number of Crabs Kept from Resident trips by Gear

Gear	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	445188	14.7	[317262, 573114]	119877	17.3	[79227, 160527]	186509	30.2	[76184, 296835]	138801	14.8	[98627, 178976]
Crab pot	56416	22.9	[31057, 81775]	29259	33.4	[10103, 48416]	3957	60.6	[0, 8655]	23199	33.2	[8098, 38301]
Coll. Trap	199965	27.5	[92272, 307658]	39420	28.6	[17324, 61515]	115347	44.8	[14103, 216591]	45198	24.3	[23683, 66714]
Other Gear	188807	17.4	[124588, 253027]	51198	28.1	[22962, 79433]	67206	33.1	[23624, 110787]	70404	22.0	[40022, 100785]

Residential Harvest (Unseen): Number of Crabs Kept from Resident trips by Gear

Gear	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	40616	25.3	[20487, 60744]	11108	26.6	[5310, 16905]	15971	35.4	[4901, 27040]	13537	27.1	[6357, 20717]
Crab pot	6513	35.3	[2006, 11021]	3243	41.7	[593, 5893]	651	67.7	[0, 1514]	2620	42.4	[444, 4796]
Coll. Trap	8729	46.3	[806, 16651]	1805	39.1	[421, 3189]	5295	62.1	[0, 11740]	1629	43.7	[233, 3024]
Other Gear	25374	36.1	[7428, 43320]	6060	41.8	[1093, 11027]	10025	45.6	[1066, 18983]	9289	36.8	[2590, 15987]

Residential Harvest (Seen and Unseen): Number of Crabs Kept from Resident trips by Mode

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Mode	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	485804	14.5	[347911, 623696]	130985	17.2	[86707, 175262]	202480	29.8	[84190, 320770]	152339	14.7	[108327, 196350]
Land	312557	20.4	[187709, 437405]	76606	22.7	[42562, 110650]	139397	41.2	[26905, 251890]	96554	17.2	[64003, 129105]
Boat	173247	17.2	[114705, 231789]	54379	26.6	[26068, 82690]	63083	29.6	[26506, 99660]	55785	27.1	[26163, 85407]

Residential Harvest (Seen): Number of Crabs Kept from Resident trips by Mode

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Mode	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	445188	14.7	[317262, 573114]	119877	17.3	[79227, 160527]	186509	30.2	[76184, 296835]	138801	14.8	[98627, 178976]
Land	288399	20.6	[172023, 404775]	70955	22.8	[39293, 102616]	128601	41.6	[23620, 233582]	88843	17.3	[58776, 118910]
Boat	156789	17.3	[103670, 209908]	48922	26.6	[23428, 74416]	57908	29.9	[23986, 91830]	49959	27.2	[23313, 76604]

Residential Harvest (Unseen): Number of Crabs Kept from Resident trips by Mode

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Mode	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	40616	25.3	[20487, 60744]	11108	26.6	[5310, 16905]	15971	35.4	[4901, 27040]	13537	27.1	[6357, 20717]

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Mode	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Land	24158	32.1	[8944, 39372]	5651	36.1	[1650, 9653]	10796	45.9	[1074, 20518]	7711	31.6	[2936, 12485]
Boat	16458	40.9	[3279, 29637]	5456	39.2	[1262, 9651]	5175	52.2	[0, 10468]	5827	47.0	[464, 11189]

Residential Harvest (Seen and Unseen): Number of Crabs Kept from Resident trips by Season, Mode, Gear

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	485804	14.5	[347911, 623696]	130985	17.2	[86707, 175262]	202480	29.8	[84190, 320770]	152339	14.7	[108327, 196350]
May-Oct	All	Crab pot	62929	22.7	[34992, 90866]	32502	33.1	[11425, 53580]	4608	60.6	[0, 10078]	25819	32.6	[9312, 42327]
May-Oct	All	Coll. Trap	208694	27.8	[94973, 322414]	41225	28.6	[18091, 64359]	120642	45.3	[13449, 227836]	46827	24.2	[24622, 69031]
May-Oct	All	Other Gear	214181	17.3	[141370, 286992]	57258	27.9	[25936, 88580]	77230	32.8	[27510, 126950]	79693	21.9	[45466, 113920]
May-Oct	Land	All Gear	312557	20.4	[187709, 437405]	76606	22.7	[42562, 110650]	139397	41.2	[26905, 251890]	96554	17.2	[64003, 129105]
May-Oct	Land	Crab pot	44399	28.0	[20004, 68793]	19707	45.3	[2214, 37200]	3552	72.7	[0, 8617]	21139	37.1	[5765, 36514]
May-Oct	Land	Coll. Trap	164215	34.4	[53587, 274843]	27893	34.4	[9086, 46700]	96904	55.4	[0, 202131]	39418	26.4	[19006, 59830]
May-Oct	Land	Other Gear	103943	25.8	[51470, 156416]	29006	39.3	[6662, 51350]	38940	51.7	[0, 78389]	35996	28.6	[15834, 56159]
May-Oct	Boat	All Gear	173247	17.2	[114705, 231789]	54379	26.6	[26068, 82690]	63083	29.6	[26506, 99660]	55785	27.1	[26163, 85407]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	Boat	Crab pot	18530	37.5	[4915, 32146]	12795	46.9	[1038, 24553]	1055	100.0	[0, 3123]	4680	65.5	[0, 10688]
May-Oct	Boat	Coll. Trap	44478	30.2	[18138, 70818]	13332	51.6	[0, 26802]	23738	43.9	[3299, 44177]	7409	60.2	[0, 16149]
May-Oct	Boat	Other Gear	110238	23.4	[59760, 160716]	28252	39.6	[6301, 50202]	38290	40.3	[8026, 68553]	43697	32.3	[16039, 71354]
May-Jun	All	All Gear	120110	45.4	[13177, 227044]	29905	34.0	[9999, 49811]	63383	82.6	[0, 166032]	26822	31.6	[10185, 43460]
May-Jun	All	Crab pot	13108	44.9	[1582, 24634]	8123	59.5	[0, 17597]	0	.	[0, 0]	4985	60.6	[0, 10903]
May-Jun	All	Coll. Trap	87517	61.3	[0, 192652]	19461	44.3	[2555, 36366]	59512	87.9	[0, 162014]	8545	47.2	[642, 16448]
May-Jun	All	Other Gear	19485	41.3	[3719, 35251]	2321	100.0	[0, 6870]	3871	72.3	[0, 9355]	13293	51.4	[0, 26684]
May-Jun	Land	All Gear	101011	53.5	[0, 206921]	16455	48.8	[724, 32187]	63383	82.6	[0, 166032]	21173	35.4	[6500, 35846]
May-Jun	Land	Crab pot	5808	66.7	[0, 13400]	3481	100.0	[0, 10305]	0	.	[0, 0]	2326	61.6	[0, 5133]
May-Jun	Land	Coll. Trap	81030	65.9	[0, 185761]	12974	55.7	[0, 27148]	59512	87.9	[0, 162014]	8545	47.2	[642, 16448]
May-Jun	Land	Other Gear	14173	49.7	[361, 27985]	0	.	[0, 0]	3871	72.3	[0, 9355]	10302	59.6	[0, 22342]
May-Jun	Boat	All Gear	19099	39.4	[4338, 33860]	13450	46.3	[1253, 25646]	0	.	[0, 0]	5649	70.8	[0, 13493]
May-Jun	Boat	Crab pot	7301	60.6	[0, 15973]	4642	72.2	[0, 11214]	0	.	[0, 0]	2659	100.0	[0, 7869]
May-Jun	Boat	Coll. Trap	6487	72.5	[0, 15699]	6487	72.5	[0, 15699]	0	.	[0, 0]	0	.	[0, 0]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	Boat	Other Gear	5312	73.0	[0, 12914]	2321	100.0	[0, 6870]	0	.	[0, 0]	2991	100.0	[0, 8853]
Jul-Aug	All	All Gear	248945	15.3	[174288, 323602]	52570	27.1	[24692, 80449]	113135	24.1	[59682, 166587]	83240	20.3	[50185, 116295]
Jul-Aug	All	Crab pot	21032	37.9	[5422, 36641]	7673	70.7	[0, 18312]	4608	60.6	[0, 10078]	8751	53.6	[0, 17940]
Jul-Aug	All	Coll. Trap	88334	22.1	[50007, 126661]	9791	47.6	[656, 18926]	45320	31.5	[17372, 73268]	33224	30.7	[13213, 53234]
Jul-Aug	All	Other Gear	139579	22.7	[77442, 201717]	35107	35.0	[11012, 59201]	63208	36.5	[17973, 108442]	41265	30.5	[16612, 65918]
Jul-Aug	Land	All Gear	150271	20.0	[91364, 209178]	29938	33.4	[10341, 49535]	70744	32.7	[25459, 116028]	49590	24.4	[25881, 73300]
Jul-Aug	Land	Crab pot	15382	44.0	[2114, 28650]	3710	100.0	[0, 10981]	3552	72.7	[0, 8617]	8119	57.2	[0, 17224]
Jul-Aug	Land	Coll. Trap	69071	24.7	[35681, 102461]	8933	51.3	[0, 17912]	32122	35.5	[9786, 54459]	28016	33.7	[9505, 46527]
Jul-Aug	Land	Other Gear	65819	36.2	[19138, 112500]	17295	46.7	[1466, 33124]	35069	56.8	[0, 74135]	13455	44.3	[1767, 25142]
Jul-Aug	Boat	All Gear	98673	23.7	[52808, 144539]	22632	44.7	[2804, 42461]	42391	34.2	[13993, 70789]	33650	34.9	[10617, 56682]
Jul-Aug	Boat	Crab pot	5650	74.3	[0, 13874]	3963	100.0	[0, 11730]	1055	100.0	[0, 3123]	632	100.0	[0, 1871]
Jul-Aug	Boat	Coll. Trap	19263	49.8	[445, 38080]	858	100.0	[0, 2540]	13197	64.9	[0, 29995]	5207	74.5	[0, 12808]
Jul-Aug	Boat	Other Gear	73761	28.4	[32749, 114772]	17811	52.0	[0, 35978]	28139	41.3	[5335, 50943]	27810	39.8	[6104, 49517]
Sep-Oct	All	All Gear	116748	19.6	[71963, 161534]	48510	29.5	[20455, 76564]	25962	48.1	[1498, 50427]	42276	28.8	[18453, 66100]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Sep-Oct	All	Crab pot	28789	35.6	[8691, 48888]	16706	47.4	[1172, 32240]	0	.	[0, 0]	12083	52.2	[0, 24454]
Sep-Oct	All	Coll. Trap	32843	31.5	[12594, 53091]	11973	54.9	[0, 24855]	15811	45.9	[1576, 30047]	5058	55.4	[0, 10551]
Sep-Oct	All	Other Gear	55116	32.0	[20594, 89639]	19830	50.1	[342, 39319]	10151	100.0	[0, 30047]	25135	39.8	[5530, 44740]
Sep-Oct	Land	All Gear	61274	25.0	[31272, 91276]	30213	38.8	[7247, 53180]	5270	79.3	[0, 13459]	25791	33.2	[8994, 42587]
Sep-Oct	Land	Crab pot	23209	41.8	[4198, 42221]	12516	58.6	[0, 26889]	0	.	[0, 0]	10694	57.6	[0, 22761]
Sep-Oct	Land	Coll. Trap	14114	45.0	[1657, 26571]	5987	72.4	[0, 14483]	5270	79.3	[0, 13459]	2857	60.7	[0, 6257]
Sep-Oct	Land	Other Gear	23951	41.7	[4367, 43535]	11711	68.7	[0, 27481]	0	.	[0, 0]	12240	46.6	[1061, 23418]
Sep-Oct	Boat	All Gear	55474	30.6	[22223, 88725]	18296	44.9	[2185, 34408]	20692	56.8	[0, 43745]	16486	52.3	[0, 33381]
Sep-Oct	Boat	Crab pot	5580	59.6	[0, 12102]	4191	71.7	[0, 10083]	0	.	[0, 0]	1389	100.0	[0, 4113]
Sep-Oct	Boat	Coll. Trap	18729	43.5	[2765, 34692]	5987	82.5	[0, 15670]	10541	56.4	[0, 22186]	2201	100.0	[0, 6516]
Sep-Oct	Boat	Other Gear	31166	46.5	[2735, 59596]	8119	72.0	[0, 19569]	10151	100.0	[0, 30047]	12895	63.7	[0, 29001]

Residential Harvest (Seen): Number of Crabs Kept from Resident trips by Season, Mode, Gear

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	445188	14.7	[317262, 573114]	119877	17.3	[79227, 160527]	186509	30.2	[76184, 296835]	138801	14.8	[98627, 178976]
May-Oct	All	Crab pot	56416	22.9	[31057, 81775]	29259	33.4	[10103, 48416]	3957	60.6	[0, 8655]	23199	33.2	[8098, 38301]
May-Oct	All	Coll. Trap	199965	27.5	[92272, 307658]	39420	28.6	[17324, 61515]	115347	44.8	[14103, 216591]	45198	24.3	[23683, 66714]
May-Oct	All	Other Gear	188807	17.4	[124588, 253027]	51198	28.1	[22962, 79433]	67206	33.1	[23624, 110787]	70404	22.0	[40022, 100785]
May-Oct	Land	All Gear	288399	20.6	[172023, 404775]	70955	22.8	[39293, 102616]	128601	41.6	[23620, 233582]	88843	17.3	[58776, 118910]
May-Oct	Land	Crab pot	40319	28.4	[17841, 62798]	18085	45.7	[1888, 34281]	3051	72.7	[0, 7400]	19184	37.9	[4951, 33416]
May-Oct	Land	Coll. Trap	157030	34.0	[52391, 261669]	26684	34.3	[8729, 44639]	92334	54.9	[0, 191617]	38012	26.5	[18238, 57786]
May-Oct	Land	Other Gear	91050	25.6	[45347, 136752]	26186	39.8	[5747, 46625]	33217	52.0	[0, 67054]	31647	28.4	[14027, 49266]
May-Oct	Boat	All Gear	156789	17.3	[103670, 209908]	48922	26.6	[23428, 74416]	57908	29.9	[23986, 91830]	49959	27.2	[23313, 76604]
May-Oct	Boat	Crab pot	16097	37.2	[4358, 27835]	11175	46.7	[945, 21404]	906	100.0	[0, 2682]	4016	64.1	[0, 9063]
May-Oct	Boat	Coll. Trap	42935	30.3	[17470, 68400]	12736	51.6	[0, 25613]	23013	44.0	[3184, 42842]	7186	60.2	[0, 15667]
May-Oct	Boat	Other Gear	97758	23.5	[52642, 142873]	25012	39.7	[5531, 44492]	33989	41.2	[6523, 61454]	38757	32.6	[14006, 63508]
May-Jun	All	All Gear	108515	47.2	[8206, 208824]	26689	34.4	[8668, 44710]	59146	83.4	[0, 155797]	22680	31.2	[8798, 36562]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	All	Crab pot	10494	44.8	[1278, 19710]	6503	59.5	[0, 14085]	0	.	[0, 0]	3991	60.6	[0, 8728]
May-Jun	All	Coll. Trap	82422	61.3	[0, 181509]	18328	44.4	[2390, 34265]	56047	87.9	[0, 152598]	8047	47.3	[590, 15505]
May-Jun	All	Other Gear	15599	41.2	[3004, 28195]	1858	100.0	[0, 5500]	3099	72.2	[0, 7486]	10642	51.3	[0, 21350]
May-Jun	Land	All Gear	92309	55.0	[0, 191815]	15006	49.1	[566, 29445]	59146	83.4	[0, 155797]	18157	34.8	[5776, 30538]
May-Jun	Land	Crab pot	4650	66.6	[0, 10721]	2787	100.0	[0, 8250]	0	.	[0, 0]	1862	61.5	[0, 4106]
May-Jun	Land	Coll. Trap	76313	66.0	[0, 175019]	12218	55.8	[0, 25584]	56047	87.9	[0, 152598]	8047	47.3	[590, 15505]
May-Jun	Land	Other Gear	11347	49.6	[317, 22377]	0	.	[0, 0]	3099	72.2	[0, 7486]	8247	59.5	[0, 17872]
May-Jun	Boat	All Gear	16206	39.9	[3541, 28872]	11684	47.1	[901, 22466]	0	.	[0, 0]	4523	70.8	[0, 10802]
May-Jun	Boat	Crab pot	5845	60.5	[0, 12778]	3716	72.2	[0, 8974]	0	.	[0, 0]	2128	100.0	[0, 6300]
May-Jun	Boat	Coll. Trap	6109	72.5	[0, 14790]	6109	72.5	[0, 14790]	0	.	[0, 0]	0	.	[0, 0]
May-Jun	Boat	Other Gear	4253	73.0	[0, 10335]	1858	100.0	[0, 5500]	0	.	[0, 0]	2394	100.0	[0, 7088]
Jul-Aug	All	All Gear	223694	15.2	[157178, 290210]	46245	26.8	[21943, 70546]	102239	23.8	[54595, 149883]	75210	20.2	[45382, 105038]
Jul-Aug	All	Crab pot	18062	37.9	[4655, 31469]	6589	70.7	[0, 15727]	3957	60.6	[0, 8655]	7516	53.6	[0, 15407]
Jul-Aug	All	Coll. Trap	85761	22.2	[48405, 123117]	9506	47.6	[629, 18382]	43999	31.5	[16824, 71175]	32256	30.8	[12787, 51725]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Jul-Aug	All	Other Gear	119871	22.7	[66493, 173248]	30150	35.0	[9455, 50844]	54283	36.5	[15432, 93133]	35439	30.5	[14263, 56614]
Jul-Aug	Land	All Gear	136794	19.7	[83891, 189697]	26712	33.1	[9392, 44031]	64355	31.9	[24143, 104566]	45728	24.6	[23672, 67784]
Jul-Aug	Land	Crab pot	13210	44.0	[1814, 24606]	3186	100.0	[0, 9431]	3051	72.7	[0, 7400]	6973	57.2	[0, 14792]
Jul-Aug	Land	Coll. Trap	67059	24.8	[34485, 99633]	8673	51.3	[0, 17398]	31187	35.6	[9453, 52920]	27200	33.8	[9185, 45216]
Jul-Aug	Land	Other Gear	56525	36.2	[16428, 96623]	14853	46.7	[1258, 28448]	30117	56.8	[0, 63669]	11555	44.3	[1516, 21593]
Jul-Aug	Boat	All Gear	86900	23.7	[46581, 127219]	19533	44.5	[2486, 36580]	37885	34.4	[12331, 63438]	29482	34.8	[9401, 49563]
Jul-Aug	Boat	Crab pot	4852	74.3	[0, 11915]	3403	100.0	[0, 10074]	906	100.0	[0, 2682]	543	100.0	[0, 1607]
Jul-Aug	Boat	Coll. Trap	18702	49.9	[415, 36988]	833	100.0	[0, 2466]	12813	65.0	[0, 29128]	5056	74.5	[0, 12437]
Jul-Aug	Boat	Other Gear	63346	28.4	[28113, 98578]	15297	52.0	[0, 30899]	24166	41.4	[4579, 43752]	23884	39.8	[5239, 42528]
Sep-Oct	All	All Gear	112979	19.6	[69634, 156324]	46943	29.5	[19794, 74093]	25124	48.1	[1449, 48799]	40911	28.8	[17856, 63967]
Sep-Oct	All	Crab pot	27860	35.6	[8408, 47312]	16167	47.4	[1134, 31200]	0	.	[0, 0]	11693	52.2	[0, 23665]
Sep-Oct	All	Coll. Trap	31782	31.5	[12185, 51379]	11586	54.9	[0, 24053]	15301	45.9	[1524, 29077]	4895	55.4	[0, 10211]
Sep-Oct	All	Other Gear	53337	32.0	[19925, 86748]	19190	50.1	[330, 38050]	9823	100.0	[0, 29077]	24323	39.8	[5350, 43297]
Sep-Oct	Land	All Gear	59296	25.0	[30258, 88333]	29238	38.8	[7012, 51464]	5100	79.3	[0, 13024]	24958	33.2	[8702, 41214]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Sep-Oct	Land	Crab pot	22460	41.8	[4060, 40860]	12111	58.6	[0, 26021]	0	.	[0, 0]	10349	57.6	[0, 22027]
Sep-Oct	Land	Coll. Trap	13658	45.0	[1602, 25714]	5793	72.4	[0, 14015]	5100	79.3	[0, 13024]	2765	60.7	[0, 6055]
Sep-Oct	Land	Other Gear	23177	41.7	[4223, 42132]	11333	68.7	[0, 26594]	0	.	[0, 0]	11844	46.6	[1026, 22663]
Sep-Oct	Boat	All Gear	53683	30.6	[21502, 85864]	17706	44.9	[2114, 33297]	20024	56.8	[0, 42333]	15954	52.3	[0, 32304]
Sep-Oct	Boat	Crab pot	5400	59.6	[0, 11711]	4055	71.7	[0, 9757]	0	.	[0, 0]	1345	100.0	[0, 3980]
Sep-Oct	Boat	Coll. Trap	18124	43.5	[2674, 33574]	5793	82.5	[0, 15164]	10200	56.4	[0, 21470]	2130	100.0	[0, 6306]
Sep-Oct	Boat	Other Gear	30159	46.5	[2644, 57674]	7857	72.0	[0, 18938]	9823	100.0	[0, 29077]	12479	63.7	[0, 28066]

Residential Harvest (Unseen): Number of Crabs Kept from Resident trips by Season, Mode, Gear

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	40616	25.3	[20487, 60744]	11108	26.6	[5310, 16905]	15971	35.4	[4901, 27040]	13537	27.1	[6357, 20717]
May-Oct	All	Crab pot	6513	35.3	[2006, 11021]	3243	41.7	[593, 5893]	651	67.7	[0, 1514]	2620	42.4	[444, 4796]
May-Oct	All	Coll. Trap	8729	46.3	[806, 16651]	1805	39.1	[421, 3189]	5295	62.1	[0, 11740]	1629	43.7	[233, 3024]
May-Oct	All	Other Gear	25374	36.1	[7428, 43320]	6060	41.8	[1093, 11027]	10025	45.6	[1066, 18983]	9289	36.8	[2590, 15987]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	Land	All Gear	24158	32.1	[8944, 39372]	5651	36.1	[1650, 9653]	10796	45.9	[1074, 20518]	7711	31.6	[2936, 12485]
May-Oct	Land	Crab pot	4079	45.4	[452, 7707]	1622	57.3	[0, 3445]	502	82.7	[0, 1314]	1956	49.6	[54, 3858]
May-Oct	Land	Coll. Trap	7185	55.4	[0, 14985]	1209	50.4	[15, 2402]	4571	71.3	[0, 10962]	1406	49.5	[42, 2770]
May-Oct	Land	Other Gear	12893	49.7	[345, 25442]	2820	60.7	[0, 6176]	5724	64.9	[0, 13005]	4349	48.8	[188, 8511]
May-Oct	Boat	All Gear	16458	40.9	[3279, 29637]	5456	39.2	[1262, 9651]	5175	52.2	[0, 10468]	5827	47.0	[464, 11189]
May-Oct	Boat	Crab pot	2434	56.1	[0, 5109]	1621	60.6	[0, 3544]	149	100.0	[0, 441]	664	81.2	[0, 1722]
May-Oct	Boat	Coll. Trap	1543	46.0	[152, 2935]	596	60.0	[0, 1297]	725	58.5	[0, 1555]	223	67.8	[0, 519]
May-Oct	Boat	Other Gear	12480	52.4	[0, 25310]	3240	57.7	[0, 6901]	4301	61.9	[0, 9521]	4940	54.2	[0, 10188]
May-Jun	All	All Gear	11595	40.1	[2478, 20712]	3216	40.9	[639, 5793]	4237	76.7	[0, 10609]	4142	46.1	[397, 7887]
May-Jun	All	Crab pot	2614	58.5	[0, 5611]	1620	65.3	[0, 3693]	0	.	[0, 0]	994	65.5	[0, 2271]
May-Jun	All	Coll. Trap	5095	72.7	[0, 12353]	1133	55.6	[0, 2367]	3465	91.8	[0, 9702]	497	68.3	[0, 1163]
May-Jun	All	Other Gear	3886	60.8	[0, 8520]	463	100.0	[0, 1370]	772	86.2	[0, 2076]	2651	66.5	[0, 6108]
May-Jun	Land	All Gear	8702	50.5	[91, 17314]	1450	61.0	[0, 3183]	4237	76.7	[0, 10609]	3016	57.6	[0, 6419]
May-Jun	Land	Crab pot	1158	83.7	[0, 3059]	694	100.0	[0, 2055]	0	.	[0, 0]	464	81.6	[0, 1206]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	Land	Coll. Trap	4718	78.2	[0, 11949]	755	72.6	[0, 1829]	3465	91.8	[0, 9702]	497	68.3	[0, 1163]
May-Jun	Land	Other Gear	2826	77.1	[0, 7098]	0	.	[0, 0]	772	86.2	[0, 2076]	2054	80.8	[0, 5308]
May-Jun	Boat	All Gear	2893	52.8	[0, 5887]	1766	55.1	[0, 3673]	0	.	[0, 0]	1127	70.8	[0, 2691]
May-Jun	Boat	Crab pot	1456	81.2	[0, 3773]	926	86.2	[0, 2489]	0	.	[0, 0]	530	100.0	[0, 1569]
May-Jun	Boat	Coll. Trap	378	82.1	[0, 985]	378	82.1	[0, 985]	0	.	[0, 0]	0	.	[0, 0]
May-Jun	Boat	Other Gear	1059	86.5	[0, 2856]	463	100.0	[0, 1370]	0	.	[0, 0]	596	100.0	[0, 1765]
Jul-Aug	All	All Gear	25251	35.9	[7482, 43020]	6326	40.9	[1259, 11392]	10895	42.2	[1887, 19904]	8030	38.3	[2001, 14059]
Jul-Aug	All	Crab pot	2970	54.3	[0, 6132]	1083	70.7	[0, 2586]	651	67.7	[0, 1514]	1236	69.0	[0, 2908]
Jul-Aug	All	Coll. Trap	2573	58.8	[0, 5540]	285	72.5	[0, 690]	1320	58.0	[0, 2821]	968	63.8	[0, 2177]
Jul-Aug	All	Other Gear	19708	44.6	[2477, 36940]	4957	49.6	[136, 9778]	8925	50.5	[85, 17765]	5827	49.6	[162, 11492]
Jul-Aug	Land	All Gear	13477	47.0	[1058, 25897]	3226	55.0	[0, 6701]	6389	58.6	[0, 13726]	3862	42.9	[617, 7108]
Jul-Aug	Land	Crab pot	2172	67.7	[0, 5052]	524	100.0	[0, 1551]	502	82.7	[0, 1314]	1146	74.0	[0, 2809]
Jul-Aug	Land	Coll. Trap	2012	72.0	[0, 4850]	260	78.9	[0, 662]	936	74.3	[0, 2298]	816	73.8	[0, 1997]
Jul-Aug	Land	Other Gear	9293	64.5	[0, 21036]	2442	68.9	[0, 5738]	4952	73.8	[0, 12115]	1900	67.8	[0, 4424]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Jul-Aug	Boat	All Gear	11774	55.1	[0, 24481]	3099	60.7	[0, 6786]	4507	59.2	[0, 9733]	4168	62.2	[0, 9249]
Jul-Aug	Boat	Crab pot	798	83.6	[0, 2104]	560	100.0	[0, 1656]	149	100.0	[0, 441]	89	100.0	[0, 264]
Jul-Aug	Boat	Coll. Trap	561	78.4	[0, 1423]	25	100.0	[0, 74]	384	83.9	[0, 1016]	152	87.8	[0, 413]
Jul-Aug	Boat	Other Gear	10415	61.8	[0, 23026]	2515	71.4	[0, 6034]	3973	66.5	[0, 9153]	3927	65.9	[0, 8998]
Sep-Oct	All	All Gear	3770	34.0	[1260, 6279]	1566	37.1	[426, 2706]	838	54.2	[0, 1729]	1365	40.5	[281, 2450]
Sep-Oct	All	Crab pot	930	63.4	[0, 2084]	539	64.9	[0, 1225]	0	.	[0, 0]	390	72.8	[0, 947]
Sep-Oct	All	Coll. Trap	1060	54.8	[0, 2200]	387	63.1	[0, 865]	511	61.6	[0, 1127]	163	63.7	[0, 367]
Sep-Oct	All	Other Gear	1780	54.9	[0, 3695]	640	61.8	[0, 1415]	328	100.0	[0, 970]	812	57.1	[0, 1720]
Sep-Oct	Land	All Gear	1978	45.1	[231, 3726]	976	50.4	[12, 1939]	170	90.0	[0, 470]	833	50.7	[5, 1660]
Sep-Oct	Land	Crab pot	749	76.1	[0, 1867]	404	81.6	[0, 1050]	0	.	[0, 0]	345	81.2	[0, 895]
Sep-Oct	Land	Coll. Trap	456	77.0	[0, 1144]	193	87.0	[0, 523]	170	90.0	[0, 470]	92	82.4	[0, 241]
Sep-Oct	Land	Other Gear	773	76.1	[0, 1927]	378	85.5	[0, 1012]	0	.	[0, 0]	395	77.5	[0, 996]
Sep-Oct	Boat	All Gear	1791	51.3	[0, 3592]	591	52.7	[0, 1201]	668	64.0	[0, 1507]	532	67.2	[0, 1233]
Sep-Oct	Boat	Crab pot	180	81.9	[0, 470]	135	86.8	[0, 365]	0	.	[0, 0]	45	100.0	[0, 133]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Sep-Oct	Boat	Coll. Trap	605	76.6	[0, 1513]	193	91.5	[0, 540]	340	80.8	[0, 879]	71	100.0	[0, 210]
Sep-Oct	Boat	Other Gear	1006	77.5	[0, 2535]	262	86.8	[0, 708]	328	100.0	[0, 970]	416	83.5	[0, 1098]

Total (residential + non-residential) Harvest (Seen and Unseen): Number of Crabs Kept on all trips by Season

	-Tri County-			-Resident-			-Non resident-		
Season	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	996958	14.8	[707734, 1286182]	485804	14.5	[347911, 623696]	511155	24.4	[266353, 755957]
May-Jun	242257	45.9	[24469, 460045]	120110	45.4	[13177, 227044]	122146	78.0	[0, 308993]
Jul-Aug	570164	15.8	[393937, 746391]	248945	15.3	[174288, 323602]	321219	23.5	[173011, 469427]
Sep-Oct	184538	19.9	[112684, 256392]	116748	19.6	[71963, 161534]	67789	41.6	[12556, 123022]

Total (residential + non-residential) Harvest (Seen): Number of Crabs Kept on all trips by Season

	-Tri County-			-Resident-			-Non resident-		
Season	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	909780	15.0	[642863, 1176698]	445188	14.7	[317262, 573114]	464592	24.8	[238784, 690401]
May-Jun	218870	47.6	[14585, 423155]	108515	47.2	[8206, 208824]	110355	81.0	[0, 285541]

	-Tri County-			-Resident-			-Non resident-		
Season	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Jul-Aug	512331	15.6	[355244, 669418]	223694	15.2	[157178, 290210]	288637	23.3	[156569, 420706]
Sep-Oct	178579	19.9	[109037, 248121]	112979	19.6	[69634, 156324]	65601	41.6	[12151, 119050]

Total (residential + non-residential) Harvest (Unseen): Number of Crabs Kept on all trips by Season

	-Tri County-			-Resident-			-Non resident-		
Season	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	87178	26.4	[42130, 132226]	40616	25.3	[20487, 60744]	46562	31.1	[18166, 74958]
May-Jun	23387	40.3	[4919, 41854]	11595	40.1	[2478, 20712]	11792	53.5	[0, 24156]
Jul-Aug	57833	36.1	[16937, 98729]	25251	35.9	[7482, 43020]	32582	39.9	[7086, 58078]
Sep-Oct	5958	34.1	[1981, 9935]	3770	34.0	[1260, 6279]	2189	42.9	[349, 4029]

Total (residential + non-residential) Harvest (Seen and Unseen): Number of Crabs Kept on all trips by Gear

	-Tri County-			-Resident-			-Non resident-		
Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	996958	14.8	[707734, 1286182]	485804	14.5	[347911, 623696]	511155	24.4	[266353, 755957]
Crab pot	120113	22.9	[66229, 173998]	62929	22.7	[34992, 90866]	57184	39.9	[12518, 101851]

	-Tri County-			-Resident-			-Non resident-		
Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Coll. Trap	430743	27.8	[195753, 665734]	208694	27.8	[94973, 322414]	222050	46.2	[21006, 423093]
Other Gear	446102	18.3	[286331, 605872]	214181	17.3	[141370, 286992]	231921	29.1	[99578, 364263]

Total (residential + non-residential) Harvest (Seen): Number of Crabs Kept on all trips by Gear

	-Tri County-			-Resident-			-Non resident-		
Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	909780	15.0	[642863, 1176698]	445188	14.7	[317262, 573114]	464592	24.8	[238784, 690401]
Crab pot	106570	22.9	[58665, 154476]	56416	22.9	[31057, 81775]	50154	40.1	[10698, 89611]
Coll. Trap	412897	27.5	[190168, 635626]	199965	27.5	[92272, 307658]	212932	45.6	[22616, 403248]
Other Gear	390313	18.2	[251238, 529388]	188807	17.4	[124588, 253027]	201506	29.1	[86561, 316451]

Total (residential + non-residential) Harvest (Unseen): Number of Crabs Kept on all trips by Gear

	-Tri County-			-Resident-			-Non resident-		
Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	87178	26.4	[42130, 132226]	40616	25.3	[20487, 60744]	46562	31.1	[18166, 74958]
Crab pot	13543	36.3	[3898, 23188]	6513	35.3	[2006, 11021]	7030	45.8	[718, 13342]

	-Tri County-			-Resident-			-Non resident-		
Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Coll. Trap	17846	46.6	[1537, 34155]	8729	46.3	[806, 16651]	9117	62.2	[0, 20231]
Other Gear	55789	37.4	[14919, 96659]	25374	36.1	[7428, 43320]	30415	42.5	[5058, 55772]

Total (residential + non-residential) Harvest (Seen and Unseen): Number of Crabs Kept on all trips by Mode

	-Tri County-			-Resident-			-Non resident-		
Mode	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	996958	14.8	[707734, 1286182]	485804	14.5	[347911, 623696]	511155	24.4	[266353, 755957]
Land	644757	20.7	[383652, 905862]	312557	20.4	[187709, 437405]	332200	34.2	[109784, 554617]
Boat	352201	18.0	[227803, 476599]	173247	17.2	[114705, 231789]	178954	29.2	[76686, 281223]

Total (residential + non-residential) Harvest (Seen): Number of Crabs Kept on all trips by Mode

	-Tri County-			-Resident-			-Non resident-		
Mode	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	909780	15.0	[642863, 1176698]	445188	14.7	[317262, 573114]	464592	24.8	[238784, 690401]
Land	593211	20.9	[350580, 835841]	288399	20.6	[172023, 404775]	304812	34.6	[98332, 511292]
Boat	316570	17.9	[205326, 427813]	156789	17.3	[103670, 209908]	159780	29.2	[68372, 251189]

Total (residential + non-residential) Harvest (Unseen): Number of Crabs Kept on all trips by Mode

Mode	-Tri County-			-Resident-			-Non resident-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	87178	26.4	[42130, 132226]	40616	25.3	[20487, 60744]	46562	31.1	[18166, 74958]
Land	51546	33.3	[17951, 85142]	24158	32.1	[8944, 39372]	27389	40.4	[5704, 49073]
Boat	35632	43.0	[5620, 65643]	16458	40.9	[3279, 29637]	19174	48.8	[840, 37507]

Total (residential + non-residential) Harvest (Seen): Number of Crabs Kept on all trips by Season, Mode, Gear

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	909780	15.0	[642863, 1176698]	445188	14.7	[317262, 573114]	464592	24.8	[238784, 690401]
May-Oct	All	Crab pot	106570	22.9	[58665, 154476]	56416	22.9	[31057, 81775]	50154	40.1	[10698, 89611]
May-Oct	All	Coll. Trap	412897	27.5	[190168, 635626]	199965	27.5	[92272, 307658]	212932	45.6	[22616, 403248]
May-Oct	All	Other Gear	390313	18.2	[251238, 529388]	188807	17.4	[124588, 253027]	201506	29.1	[86561, 316451]
May-Oct	Land	All Gear	593211	20.9	[350580, 835841]	288399	20.6	[172023, 404775]	304812	34.6	[98332, 511292]
May-Oct	Land	Crab pot	75134	28.2	[33548, 116720]	40319	28.4	[17841, 62798]	34815	49.7	[908, 68721]
May-Oct	Land	Coll. Trap	329095	33.6	[112564, 545625]	157030	34.0	[52391, 261669]	172065	54.9	[0, 357071]
May-Oct	Land	Other Gear	188982	27.3	[87715, 290249]	91050	25.6	[45347, 136752]	97933	44.4	[12746, 183119]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	Boat	All Gear	316570	17.9	[205326, 427813]	156789	17.3	[103670, 209908]	159780	29.2	[68372, 251189]
May-Oct	Boat	Crab pot	31436	38.6	[7655, 55218]	16097	37.2	[4358, 27835]	15340	67.1	[0, 35518]
May-Oct	Boat	Coll. Trap	83803	31.8	[31622, 135983]	42935	30.3	[17470, 68400]	40868	55.7	[0, 85508]
May-Oct	Boat	Other Gear	201331	24.2	[106006, 296655]	97758	23.5	[52642, 142873]	103573	38.0	[26400, 180745]
May-Jun	All	All Gear	218870	47.6	[14585, 423155]	108515	47.2	[8206, 208824]	110355	81.0	[0, 285541]
May-Jun	All	Crab pot	21166	45.3	[2387, 39946]	10494	44.8	[1278, 19710]	10672	75.0	[0, 26357]
May-Jun	All	Coll. Trap	166240	61.9	[0, 368021]	82422	61.3	[0, 181509]	83819	105.4	[0, 257012]
May-Jun	All	Other Gear	31463	41.8	[5691, 57235]	15599	41.2	[3004, 28195]	15864	68.1	[0, 37039]
May-Jun	Land	All Gear	186182	55.5	[0, 388835]	92309	55.0	[0, 191815]	93874	94.5	[0, 267692]
May-Jun	Land	Crab pot	9378	67.2	[0, 21737]	4650	66.6	[0, 10721]	4728	111.9	[0, 15095]
May-Jun	Land	Coll. Trap	153918	66.6	[0, 354926]	76313	66.0	[0, 175019]	77606	113.4	[0, 250133]
May-Jun	Land	Other Gear	22886	50.4	[272, 45500]	11347	49.6	[317, 22377]	11539	81.5	[0, 29968]
May-Jun	Boat	All Gear	32688	40.2	[6916, 58460]	16206	39.9	[3541, 28872]	16481	67.7	[0, 38338]
May-Jun	Boat	Crab pot	11788	61.2	[0, 25928]	5845	60.5	[0, 12778]	5944	101.0	[0, 17715]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	Boat	Coll. Trap	12322	73.1	[0, 29970]	6109	72.5	[0, 14790]	6213	124.6	[0, 21391]
May-Jun	Boat	Other Gear	8577	73.5	[0, 20938]	4253	73.0	[0, 10335]	4325	123.0	[0, 14754]
Jul-Aug	All	All Gear	512331	15.6	[355244, 669418]	223694	15.2	[157178, 290210]	288637	23.3	[156569, 420706]
Jul-Aug	All	Crab pot	41368	38.3	[10278, 72457]	18062	37.9	[4655, 31469]	23306	59.3	[0, 50414]
Jul-Aug	All	Coll. Trap	196420	23.1	[107518, 285323]	85761	22.2	[48405, 123117]	110659	34.6	[35558, 185760]
Jul-Aug	All	Other Gear	274543	23.4	[148821, 400265]	119871	22.7	[66493, 173248]	154672	34.7	[49472, 259872]
Jul-Aug	Land	All Gear	313303	20.4	[188303, 438303]	136794	19.7	[83891, 189697]	176509	30.5	[70975, 282042]
Jul-Aug	Land	Crab pot	30255	44.7	[3758, 56751]	13210	44.0	[1814, 24606]	17045	68.7	[0, 39989]
Jul-Aug	Land	Coll. Trap	153587	26.0	[75437, 231738]	67059	24.8	[34485, 99633]	86528	38.4	[21405, 151651]
Jul-Aug	Land	Other Gear	129461	37.0	[35570, 223351]	56525	36.2	[16428, 96623]	72936	55.8	[0, 152747]
Jul-Aug	Boat	All Gear	199028	24.4	[103889, 294167]	86900	23.7	[46581, 127219]	112129	36.1	[32726, 191532]
Jul-Aug	Boat	Crab pot	11113	74.7	[0, 27376]	4852	74.3	[0, 11915]	6261	117.6	[0, 20697]
Jul-Aug	Boat	Coll. Trap	42833	50.5	[451, 85215]	18702	49.9	[415, 36988]	24131	79.1	[0, 61537]
Jul-Aug	Boat	Other Gear	145082	29.4	[61472, 228692]	63346	28.4	[28113, 98578]	81736	42.8	[13200, 150273]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Sep-Oct	All	All Gear	178579	19.9	[109037, 248121]	112979	19.6	[69634, 156324]	65601	41.6	[12151, 119050]
Sep-Oct	All	Crab pot	44037	36.2	[12800, 75273]	27860	35.6	[8408, 47312]	16177	75.7	[0, 40174]
Sep-Oct	All	Coll. Trap	50236	31.9	[18790, 81682]	31782	31.5	[12185, 51379]	18454	66.8	[0, 42622]
Sep-Oct	All	Other Gear	84307	32.4	[30720, 137893]	53337	32.0	[19925, 86748]	30970	67.9	[0, 72163]
Sep-Oct	Land	All Gear	93725	25.4	[47072, 140379]	59296	25.0	[30258, 88333]	34430	53.1	[0, 70262]
Sep-Oct	Land	Crab pot	35501	42.5	[5928, 65074]	22460	41.8	[4060, 40860]	13041	88.8	[0, 35751]
Sep-Oct	Land	Coll. Trap	21589	45.7	[2255, 40922]	13658	45.0	[1602, 25714]	7931	95.6	[0, 22794]
Sep-Oct	Land	Other Gear	36635	42.4	[6169, 67101]	23177	41.7	[4223, 42132]	13458	88.7	[0, 36852]
Sep-Oct	Boat	All Gear	84854	31.0	[33283, 136425]	53683	30.6	[21502, 85864]	31171	64.9	[0, 70831]
Sep-Oct	Boat	Crab pot	8535	60.1	[0, 18594]	5400	59.6	[0, 11711]	3135	126.2	[0, 10893]
Sep-Oct	Boat	Coll. Trap	28648	44.2	[3847, 53448]	18124	43.5	[2674, 33574]	10524	92.4	[0, 29580]
Sep-Oct	Boat	Other Gear	47671	47.2	[3588, 91754]	30159	46.5	[2644, 57674]	17512	98.8	[0, 51418]

Total (residential + non-residential) Harvest (Seen and Unseen): Number of Crabs Kept on all trips by Season, Mode, Gear

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	996958	14.8	[707734, 1286182]	485804	14.5	[347911, 623696]	511155	24.4	[266353, 755957]
May-Oct	All	Crab pot	120113	22.9	[66229, 173998]	62929	22.7	[34992, 90866]	57184	39.9	[12518, 101851]
May-Oct	All	Coll. Trap	430743	27.8	[195753, 665734]	208694	27.8	[94973, 322414]	222050	46.2	[21006, 423093]
May-Oct	All	Other Gear	446102	18.3	[286331, 605872]	214181	17.3	[141370, 286992]	231921	29.1	[99578, 364263]
May-Oct	Land	All Gear	644757	20.7	[383652, 905862]	312557	20.4	[187709, 437405]	332200	34.2	[109784, 554617]
May-Oct	Land	Crab pot	83629	28.1	[37540, 129717]	44399	28.0	[20004, 68793]	39230	49.2	[1387, 77072]
May-Oct	Land	Coll. Trap	343938	33.9	[115222, 572654]	164215	34.4	[53587, 274843]	179723	55.5	[0, 375393]
May-Oct	Land	Other Gear	217191	27.5	[99970, 334411]	103943	25.8	[51470, 156416]	113248	44.5	[14504, 211991]
May-Oct	Boat	All Gear	352201	18.0	[227803, 476599]	173247	17.2	[114705, 231789]	178954	29.2	[76686, 281223]
May-Oct	Boat	Crab pot	36485	39.0	[8567, 64402]	18530	37.5	[4915, 32146]	17954	67.4	[0, 41683]
May-Oct	Boat	Coll. Trap	86805	31.7	[32864, 140746]	44478	30.2	[18138, 70818]	42327	55.7	[0, 88495]
May-Oct	Boat	Other Gear	228911	24.2	[120348, 337474]	110238	23.4	[59760, 160716]	118673	37.9	[30558, 206788]
May-Jun	All	All Gear	242257	45.9	[24469, 460045]	120110	45.4	[13177, 227044]	122146	78.0	[0, 308993]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	All	Crab pot	26439	45.3	[2953, 49924]	13108	44.9	[1582, 24634]	13330	75.0	[0, 32921]
May-Jun	All	Coll. Trap	176517	61.9	[0, 390619]	87517	61.3	[0, 192652]	89000	105.4	[0, 272924]
May-Jun	All	Other Gear	39301	41.9	[7044, 71557]	19485	41.3	[3719, 35251]	19815	68.1	[0, 46272]
May-Jun	Land	All Gear	203734	54.0	[0, 419441]	101011	53.5	[0, 206921]	102723	91.9	[0, 287834]
May-Jun	Land	Crab pot	11714	67.3	[0, 27166]	5808	66.7	[0, 13400]	5906	111.8	[0, 18852]
May-Jun	Land	Coll. Trap	163434	66.6	[0, 376715]	81030	65.9	[0, 185761]	82404	113.4	[0, 265620]
May-Jun	Land	Other Gear	28587	50.5	[272, 56902]	14173	49.7	[361, 27985]	14414	81.5	[0, 37442]
May-Jun	Boat	All Gear	38522	39.8	[8483, 68561]	19099	39.4	[4338, 33860]	19423	66.7	[0, 44832]
May-Jun	Boat	Crab pot	14725	61.3	[0, 32411]	7301	60.6	[0, 15973]	7424	101.0	[0, 22127]
May-Jun	Boat	Coll. Trap	13084	73.0	[0, 31814]	6487	72.5	[0, 15699]	6597	124.7	[0, 22717]
May-Jun	Boat	Other Gear	10714	73.6	[0, 26165]	5312	73.0	[0, 12914]	5402	123.0	[0, 18425]
Jul-Aug	All	All Gear	570164	15.8	[393937, 746391]	248945	15.3	[174288, 323602]	321219	23.5	[173011, 469427]
Jul-Aug	All	Crab pot	48169	38.3	[11971, 84366]	21032	37.9	[5422, 36641]	27137	59.3	[0, 58702]
Jul-Aug	All	Coll. Trap	202313	23.0	[111071, 293556]	88334	22.1	[50007, 126661]	113979	34.6	[36735, 191224]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Jul-Aug	All	Other Gear	319682	23.4	[173324, 466039]	139579	22.7	[77442, 201717]	180102	34.7	[57617, 302587]
Jul-Aug	Land	All Gear	344170	20.6	[205164, 483177]	150271	20.0	[91364, 209178]	193899	30.9	[76288, 311509]
Jul-Aug	Land	Crab pot	35229	44.7	[4379, 66078]	15382	44.0	[2114, 28650]	19847	68.7	[0, 46563]
Jul-Aug	Land	Coll. Trap	158195	25.8	[78051, 238340]	69071	24.7	[35681, 102461]	89124	38.3	[22170, 156079]
Jul-Aug	Land	Other Gear	150746	37.0	[41439, 260053]	65819	36.2	[19138, 112500]	84927	55.8	[0, 177855]
Jul-Aug	Boat	All Gear	225994	24.5	[117674, 334314]	98673	23.7	[52808, 144539]	127320	36.1	[37134, 217506]
Jul-Aug	Boat	Crab pot	12940	74.7	[0, 31876]	5650	74.3	[0, 13874]	7290	117.6	[0, 24101]
Jul-Aug	Boat	Coll. Trap	44118	50.4	[505, 87732]	19263	49.8	[445, 38080]	24855	79.1	[0, 63376]
Jul-Aug	Boat	Other Gear	168936	29.4	[71609, 266262]	73761	28.4	[32749, 114772]	95175	42.8	[15381, 174969]
Sep-Oct	All	All Gear	184538	19.9	[112684, 256392]	116748	19.6	[71963, 161534]	67789	41.6	[12556, 123022]
Sep-Oct	All	Crab pot	45506	36.2	[13231, 77781]	28789	35.6	[8691, 48888]	16716	75.7	[0, 41515]
Sep-Oct	All	Coll. Trap	51912	31.9	[19421, 84404]	32843	31.5	[12594, 53091]	19070	66.8	[0, 44044]
Sep-Oct	All	Other Gear	87119	32.4	[31752, 142487]	55116	32.0	[20594, 89639]	32003	67.9	[0, 74571]
Sep-Oct	Land	All Gear	96853	25.4	[48649, 145056]	61274	25.0	[31272, 91276]	35579	53.1	[0, 72606]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Sep-Oct	Land	Crab pot	36686	42.5	[6130, 67242]	23209	41.8	[4198, 42221]	13476	88.8	[0, 36943]
Sep-Oct	Land	Coll. Trap	22309	45.7	[2333, 42285]	14114	45.0	[1657, 26571]	8195	95.6	[0, 23554]
Sep-Oct	Land	Other Gear	37858	42.4	[6379, 69336]	23951	41.7	[4367, 43535]	13907	88.7	[0, 38082]
Sep-Oct	Boat	All Gear	87685	31.0	[34399, 140971]	55474	30.6	[22223, 88725]	32211	64.9	[0, 73195]
Sep-Oct	Boat	Crab pot	8820	60.1	[0, 19214]	5580	59.6	[0, 12102]	3240	126.2	[0, 11256]
Sep-Oct	Boat	Coll. Trap	29603	44.2	[3978, 55229]	18729	43.5	[2765, 34692]	10875	92.4	[0, 30567]
Sep-Oct	Boat	Other Gear	49262	47.2	[3713, 94811]	31166	46.5	[2735, 59596]	18096	98.8	[0, 53133]

Total (residential + non-residential) Catch: Number of Crabs Caught on all trips by Season, Mode, Gear

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	87178	26.4	[42130, 132226]	40616	25.3	[20487, 60744]	46562	31.1	[18166, 74958]
May-Oct	All	Crab pot	13543	36.3	[3898, 23188]	6513	35.3	[2006, 11021]	7030	45.8	[718, 13342]
May-Oct	All	Coll. Trap	17846	46.6	[1537, 34155]	8729	46.3	[806, 16651]	9117	62.2	[0, 20231]
May-Oct	All	Other Gear	55789	37.4	[14919, 96659]	25374	36.1	[7428, 43320]	30415	42.5	[5058, 55772]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	Land	All Gear	51546	33.3	[17951, 85142]	24158	32.1	[8944, 39372]	27389	40.4	[5704, 49073]
May-Oct	Land	Crab pot	8495	47.2	[632, 16357]	4079	45.4	[452, 7707]	4415	59.1	[0, 9529]
May-Oct	Land	Coll. Trap	14844	55.3	[0, 30921]	7185	55.4	[0, 14985]	7658	73.2	[0, 18643]
May-Oct	Land	Other Gear	28208	51.4	[0, 56640]	12893	49.7	[345, 25442]	15315	59.9	[0, 33298]
May-Oct	Boat	All Gear	35632	43.0	[5620, 65643]	16458	40.9	[3279, 29637]	19174	48.8	[840, 37507]
May-Oct	Boat	Crab pot	5048	56.5	[0, 10634]	2434	56.1	[0, 5109]	2615	72.2	[0, 6315]
May-Oct	Boat	Coll. Trap	3003	46.5	[264, 5742]	1543	46.0	[152, 2935]	1459	59.0	[0, 3147]
May-Oct	Boat	Other Gear	27581	54.3	[0, 56940]	12480	52.4	[0, 25310]	15100	60.4	[0, 32977]
May-Jun	All	All Gear	23387	40.3	[4919, 41854]	11595	40.1	[2478, 20712]	11792	53.5	[0, 24156]
May-Jun	All	Crab pot	5272	58.7	[0, 11336]	2614	58.5	[0, 5611]	2658	73.2	[0, 6475]
May-Jun	All	Coll. Trap	10277	73.0	[0, 24984]	5095	72.7	[0, 12353]	5182	101.7	[0, 15508]
May-Jun	All	Other Gear	7837	61.1	[0, 17217]	3886	60.8	[0, 8520]	3952	72.7	[0, 9581]
May-Jun	Land	All Gear	17552	50.7	[107, 34997]	8702	50.5	[91, 17314]	8850	67.7	[0, 20593]
May-Jun	Land	Crab pot	2336	84.0	[0, 6181]	1158	83.7	[0, 3059]	1178	106.5	[0, 3637]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	Land	Coll. Trap	9515	78.6	[0, 24170]	4718	78.2	[0, 11949]	4798	109.4	[0, 15086]
May-Jun	Land	Other Gear	5701	77.4	[0, 14348]	2826	77.1	[0, 7098]	2874	90.5	[0, 7974]
May-Jun	Boat	All Gear	5835	53.0	[0, 11893]	2893	52.8	[0, 5887]	2942	67.1	[0, 6813]
May-Jun	Boat	Crab pot	2936	81.5	[0, 7625]	1456	81.2	[0, 3773]	1481	100.6	[0, 4399]
May-Jun	Boat	Coll. Trap	762	82.4	[0, 1992]	378	82.1	[0, 985]	384	117.5	[0, 1269]
May-Jun	Boat	Other Gear	2137	86.8	[0, 5770]	1059	86.5	[0, 2856]	1077	113.0	[0, 3463]
Jul-Aug	All	All Gear	57833	36.1	[16937, 98729]	25251	35.9	[7482, 43020]	32582	39.9	[7086, 58078]
Jul-Aug	All	Crab pot	6801	54.6	[0, 14075]	2970	54.3	[0, 6132]	3832	66.0	[0, 8789]
Jul-Aug	All	Coll. Trap	5893	59.0	[0, 12707]	2573	58.8	[0, 5540]	3320	61.8	[0, 7343]
Jul-Aug	All	Other Gear	45139	44.8	[5475, 84802]	19708	44.6	[2477, 36940]	25430	49.5	[746, 50114]
Jul-Aug	Land	All Gear	30867	47.2	[2290, 59444]	13477	47.0	[1058, 25897]	17390	53.4	[0, 35576]
Jul-Aug	Land	Crab pot	4974	68.0	[0, 11599]	2172	67.7	[0, 5052]	2802	80.3	[0, 7213]
Jul-Aug	Land	Coll. Trap	4608	72.2	[0, 11128]	2012	72.0	[0, 4850]	2596	75.0	[0, 6412]
Jul-Aug	Land	Other Gear	21285	64.8	[0, 48308]	9293	64.5	[0, 21036]	11992	73.3	[0, 29217]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Jul-Aug	Boat	All Gear	26966	55.4	[0, 56220]	11774	55.1	[0, 24481]	15192	60.0	[0, 33062]
Jul-Aug	Boat	Crab pot	1827	83.8	[0, 4828]	798	83.6	[0, 2104]	1029	112.2	[0, 3293]
Jul-Aug	Boat	Coll. Trap	1285	78.6	[0, 3264]	561	78.4	[0, 1423]	724	89.9	[0, 1999]
Jul-Aug	Boat	Other Gear	23853	62.1	[0, 52887]	10415	61.8	[0, 23026]	13439	67.1	[0, 31119]
Sep-Oct	All	All Gear	5958	34.1	[1981, 9935]	3770	34.0	[1260, 6279]	2189	42.9	[349, 4029]
Sep-Oct	All	Crab pot	1469	63.5	[0, 3299]	930	63.4	[0, 2084]	540	79.3	[0, 1379]
Sep-Oct	All	Coll. Trap	1676	55.0	[0, 3481]	1060	54.8	[0, 2200]	616	69.1	[0, 1450]
Sep-Oct	All	Other Gear	2813	55.0	[0, 5847]	1780	54.9	[0, 3695]	1033	69.6	[0, 2442]
Sep-Oct	Land	All Gear	3127	45.2	[358, 5897]	1978	45.1	[231, 3726]	1149	56.1	[0, 2412]
Sep-Oct	Land	Crab pot	1185	76.3	[0, 2956]	749	76.1	[0, 1867]	435	94.5	[0, 1241]
Sep-Oct	Land	Coll. Trap	720	77.2	[0, 1811]	456	77.0	[0, 1144]	265	97.8	[0, 772]
Sep-Oct	Land	Other Gear	1222	76.3	[0, 3050]	773	76.1	[0, 1927]	449	94.4	[0, 1280]
Sep-Oct	Boat	All Gear	2831	51.4	[0, 5686]	1791	51.3	[0, 3592]	1040	65.6	[0, 2377]
Sep-Oct	Boat	Crab pot	285	82.1	[0, 743]	180	81.9	[0, 470]	105	114.1	[0, 339]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Sep-Oct	Boat	Coll. Trap	956	76.8	[0, 2395]	605	76.6	[0, 1513]	351	96.2	[0, 1013]
Sep-Oct	Boat	Other Gear	1591	77.7	[0, 4013]	1006	77.5	[0, 2535]	584	99.4	[0, 1722]

APPENDIX G: CATCH ESTIMATES

Residential Catch: Number of Crabs Caught on Resident trips by Season

Season	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	177402 3	12.5	[1.34E6, 2208921]	480119	17.3	[317270, 642968]	726045	25.5	[362508, 1089583]	567858	14.5	[406089, 729628]
May-Jun	327423	45.7	[34177, 620668]	81120	33.8	[27413, 134827]	175082	82.8	[0, 459134]	71221	30.7	[28363, 114079]
Jul-Aug	986817	13.9	[717195, 1256439]	207957	26.3	[100702, 315212]	448717	23.4	[243247, 654187]	330142	19.3	[205156, 455128]
Sep-Oct	459784	19.4	[285292, 634275]	191042	29.4	[80899, 301186]	102246	48.0	[6037, 198455]	166495	28.6	[73163, 259828]

Residential Catch: Number of Crabs Caught on Resident trips by Gear

Gear	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	177402 3	12.5	[1.34E6, 2208921]	480119	17.3	[317270, 642968]	726045	25.5	[362508, 1089583]	567858	14.5	[406089, 729628]
Crab pot	230472	22.7	[128001, 332943]	117198	33.9	[39302, 195095]	18185	60.1	[0, 39599]	95088	33.3	[33107, 157070]
Coll. Trap	724937	23.4	[393129, 1056745]	140232	28.2	[62737, 217727]	408351	38.6	[99485, 717218]	176354	23.9	[93643, 259065]
Other Gear	818614	16.3	[556814, 1080415]	222689	27.5	[102496, 342882]	299509	32.5	[108977, 490041]	296416	21.4	[171971, 420861]

Residential Catch: Number of Crabs Caught on Resident trips by Mode

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Mode	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	1774023	12.5	[1.34E6, 2208921]	480119	17.3	[317270, 642968]	726045	25.5	[362508, 1089583]	567858	14.5	[406089, 729628]
Land	1114393	17.4	[734230, 1494556]	282605	22.6	[157651, 407558]	476607	35.9	[141679, 811535]	355182	16.9	[237232, 473132]
Boat	659630	16.3	[448414, 870846]	197515	27.0	[93081, 301948]	249438	28.9	[108080, 390797]	212677	26.6	[101965, 323389]

Residential Catch: Number of Crabs Caught on Resident trips by Season, Mode, Gear

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	1774023	12.5	[1.34E6, 2208921]	480119	17.3	[317270, 642968]	726045	25.5	[362508, 1089583]	567858	14.5	[406089, 729628]
May-Oct	All	Crab pot	230472	22.7	[128001, 332943]	117198	33.9	[39302, 195095]	18185	60.1	[0, 39599]	95088	33.3	[33107, 157070]
May-Oct	All	Coll. Trap	724937	23.4	[393129, 1056745]	140232	28.2	[62737, 217727]	408351	38.6	[99485, 717218]	176354	23.9	[93643, 259065]
May-Oct	All	Other Gear	818614	16.3	[556814, 1080415]	222689	27.5	[102496, 342882]	299509	32.5	[108977, 490041]	296416	21.4	[171971, 420861]
May-Oct	Land	All Gear	1114393	17.4	[734230, 1494556]	282605	22.6	[157651, 407558]	476607	35.9	[141679, 811535]	355182	16.9	[237232, 473132]
May-Oct	Land	Crab pot	167214	27.9	[75906, 258522]	72984	45.9	[7328, 138640]	14021	72.0	[0, 33818]	80209	37.7	[20886, 139532]
May-Oct	Land	Coll. Trap	556230	29.0	[239809, 872651]	95240	33.3	[33076, 157403]	314111	48.4	[15980, 612243]	146879	26.1	[71791, 221967]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	Land	Other Gear	390949	24.8	[201042, 580856]	114381	38.5	[28135, 200626]	148475	52.0	[0, 299811]	128093	27.5	[59139, 197048]
May-Oct	Boat	All Gear	659630	16.3	[448414, 870846]	197515	27.0	[93081, 301948]	249438	28.9	[108080, 390797]	212677	26.6	[101965, 323389]
May-Oct	Boat	Crab pot	63258	37.5	[16747, 109768]	44214	48.4	[2295, 86133]	4164	100.0	[0, 12326]	14879	61.6	[0, 32838]
May-Oct	Boat	Coll. Trap	168707	30.2	[68836, 268578]	44992	52.5	[0, 91265]	94240	43.7	[13519, 174961]	29475	60.0	[0, 64157]
May-Oct	Boat	Other Gear	427665	21.5	[247458, 607872]	108308	39.4	[24594, 192022]	151034	39.1	[35277, 266791]	168323	31.4	[64728, 271917]
May-Jun	All	All Gear	327423	45.7	[34177, 620668]	81120	33.8	[27413, 134827]	175082	82.8	[0, 459134]	71221	30.7	[28363, 114079]
May-Jun	All	Crab pot	34086	43.5	[5007, 63164]	21124	59.0	[0, 45548]	0	.	[0, 0]	12962	60.1	[0, 28242]
May-Jun	All	Coll. Trap	242669	60.8	[0, 531861]	53961	43.8	[7615, 100307]	165015	87.7	[0, 448721]	23693	46.2	[2255, 45132]
May-Jun	All	Other Gear	50668	39.2	[11740, 89596]	6035	100.0	[0, 17865]	10067	71.0	[0, 24071]	34565	49.9	[746, 68385]
May-Jun	Land	All Gear	276640	53.6	[0, 567321]	45027	48.3	[2394, 87659]	175082	82.8	[0, 459134]	56531	34.0	[18836, 94225]
May-Jun	Land	Crab pot	15102	65.1	[0, 34360]	9053	100.0	[0, 26797]	0	.	[0, 0]	6049	59.6	[0, 13112]
May-Jun	Land	Coll. Trap	224682	65.4	[0, 512756]	35974	55.0	[0, 74738]	165015	87.7	[0, 448721]	23693	46.2	[2255, 45132]
May-Jun	Land	Other Gear	36855	46.7	[3124, 70587]	0	.	[0, 0]	10067	71.0	[0, 24071]	26788	57.5	[0, 56978]
May-Jun	Boat	All Gear	50783	38.9	[12086, 89481]	36093	46.2	[3430, 68756]	0	.	[0, 0]	14690	70.8	[0, 35085]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	Boat	Crab pot	18984	58.6	[0, 40770]	12071	70.9	[0, 28854]	0	.	[0, 0]	6913	100.0	[0, 20463]
May-Jun	Boat	Coll. Trap	17987	72.1	[0, 43389]	17987	72.1	[0, 43389]	0	.	[0, 0]	0	.	[0, 0]
May-Jun	Boat	Other Gear	13813	71.8	[0, 33244]	6035	100.0	[0, 17865]	0	.	[0, 0]	7777	100.0	[0, 23021]
Jul-Aug	All	All Gear	986817	13.9	[717195, 1256439]	207957	26.3	[100702, 315212]	448717	23.4	[243247, 654187]	330142	19.3	[205156, 455128]
Jul-Aug	All	Crab pot	83006	36.5	[23566, 142446]	30282	70.7	[0, 72274]	18185	60.1	[0, 39599]	34539	52.4	[0, 70012]
Jul-Aug	All	Coll. Trap	352926	20.6	[210651, 495201]	39118	46.9	[3167, 75069]	181068	30.6	[72473, 289662]	132740	29.6	[55831, 209649]
Jul-Aug	All	Other Gear	550884	20.5	[329704, 772065]	138557	33.8	[46645, 230469]	249464	35.4	[76356, 422573]	162863	28.8	[70949, 254777]
Jul-Aug	Land	All Gear	596441	18.4	[381033, 811849]	118591	32.4	[43262, 193919]	280769	31.7	[106255, 455283]	197082	23.4	[106656, 287508]
Jul-Aug	Land	Crab pot	60707	42.0	[10727, 110687]	14642	100.0	[0, 43340]	14021	72.0	[0, 33818]	32045	55.9	[0, 67179]
Jul-Aug	Land	Coll. Trap	275964	22.5	[154401, 397527]	35690	50.5	[372, 71007]	128340	34.1	[42569, 214111]	111934	32.2	[41217, 182652]
Jul-Aug	Land	Other Gear	259770	33.5	[89110, 430430]	68259	44.9	[8231, 128288]	138408	55.5	[0, 289095]	53102	42.3	[9039, 97165]
Jul-Aug	Boat	All Gear	390375	21.2	[228216, 552535]	89366	43.6	[13017, 165716]	167948	32.9	[59492, 276405]	133061	33.1	[46778, 219343]
Jul-Aug	Boat	Crab pot	22299	73.6	[0, 54472]	15640	100.0	[0, 46295]	4164	100.0	[0, 12326]	2494	100.0	[0, 7383]
Jul-Aug	Boat	Coll. Trap	76962	49.0	[3040, 150884]	3429	100.0	[0, 10149]	52728	64.4	[0, 119332]	20805	74.1	[0, 51040]

			-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Jul-Aug	Boat	Other Gear	291115	24.7	[150417, 431813]	70298	50.5	[696, 139899]	111056	39.1	[25851, 196262]	109761	37.5	[29097, 190424]
Sep-Oct	All	All Gear	459784	19.4	[285292, 634275]	191042	29.4	[80899, 301186]	102246	48.0	[6037, 198455]	166495	28.6	[73163, 259828]
Sep-Oct	All	Crab pot	113380	35.2	[35139, 191621]	65793	47.2	[4899, 126687]	0	.	[0, 0]	47587	52.0	[0, 96063]
Sep-Oct	All	Coll. Trap	129342	31.1	[50460, 208224]	47153	54.8	[0, 97799]	62269	45.7	[6443, 118094]	19921	55.3	[0, 41517]
Sep-Oct	All	Other Gear	217062	31.6	[82514, 351610]	78097	50.0	[1556, 154638]	39978	100.0	[0, 118334]	98988	39.6	[22211, 175764]
Sep-Oct	Land	All Gear	241313	24.7	[124573, 358052]	118987	38.6	[28868, 209106]	20756	79.1	[0, 52955]	101569	33.0	[35885, 167254]
Sep-Oct	Land	Crab pot	91405	41.3	[17457, 165352]	49289	58.3	[0, 105612]	0	.	[0, 0]	42115	57.3	[0, 89390]
Sep-Oct	Land	Coll. Trap	55584	44.6	[7027, 104141]	23576	72.2	[0, 56957]	20756	79.1	[0, 52955]	11251	60.4	[0, 24580]
Sep-Oct	Land	Other Gear	94324	41.2	[18153, 170496]	46121	68.5	[0, 108048]	0	.	[0, 0]	48203	46.2	[4593, 91813]
Sep-Oct	Boat	All Gear	218471	30.3	[88783, 348159]	72055	44.8	[8730, 135381]	81490	56.8	[0, 172151]	64926	52.1	[0, 131232]
Sep-Oct	Boat	Crab pot	21975	59.4	[0, 47538]	16503	71.6	[0, 39651]	0	.	[0, 0]	5472	100.0	[0, 16196]
Sep-Oct	Boat	Coll. Trap	73758	43.0	[11593, 135923]	23576	82.4	[0, 61665]	41512	56.0	[0, 87116]	8669	100.0	[0, 25661]
Sep-Oct	Boat	Other Gear	122738	46.1	[11827, 233648]	31975	71.8	[0, 76960]	39978	100.0	[0, 118334]	50785	63.5	[0, 113973]

Total (residential + non-residential) Catch: Number of Crabs Caught on all trips by Season

Season	-Tri County-			-Resident-			-Non resident-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	364727 8	12.9	[2727629, 4566927]	177402 3	12.5	[1339125, 2208921]	187325 5	21.8	[1073856, 2672654]
May-Jun	660395	46.2	[62977, 1257813]	327423	45.7	[34177, 620668]	332972	79.3	[0, 850742]
Jul-Aug	226012 8	14.5	[1619496, 2900761]	986817	13.9	[717195, 1256439]	127331 2	22.8	[704392, 1842231]
Sep-Oct	726755	19.7	[446691, 1006819]	459784	19.4	[285292, 634275]	266971	41.6	[49524, 484418]

Total (residential + non-residential) Catch: Number of Crabs Caught on all trips by Gear

Gear	-Tri County-			-Resident-			-Non resident-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All Gear	364727 8	12.9	[2727629, 4566927]	177402 3	12.5	[1339125, 2208921]	187325 5	21.8	[1073856, 2672654]
Crab pot	438073	22.8	[242212, 633935]	230472	22.7	[128001, 332943]	207602	40.7	[42035, 373169]
Coll. Trap	150220 9	23.5	[809940, 2194478]	724937	23.4	[393129, 1056745]	777272	39.4	[176444, 1378100]
Other Gear	170699 6	17.1	[1134146, 2279845]	818614	16.3	[556814, 1080415]	888381	28.8	[387750, 1389013]

Total (residential + non-residential) Catch: Number of Crabs Caught on all trips by Mode

Mode	-Tri County-			-Resident-			-Non resident-		
	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
All	364727 8	12.9	[2727629, 4566927]	177402 3	12.5	[1339125, 2208921]	187325 5	21.8	[1073856, 2672654]
Land	230544 0	17.8	[1500910, 3109970]	111439 3	17.4	[734230, 1494556]	119104 7	30.0	[490549, 1891544]
Boat	134183 8	16.9	[896321, 1787355]	659630	16.3	[448414, 870846]	682208	28.8	[297057, 1067360]

Total (residential + non-residential) Catch: Number of Crabs Caught on all trips by Season, Mode, Gear

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	All	All Gear	364727 8	12.9	[2727629, 4566927]	177402 3	12.5	[1339125, 2208921]	187325 5	21.8	[1073856, 2672654]
May-Oct	All	Crab pot	438073	22.8	[242212, 633935]	230472	22.7	[128001, 332943]	207602	40.7	[42035, 373169]
May-Oct	All	Coll. Trap	150220 9	23.5	[809940, 2194478]	724937	23.4	[393129, 1056745]	777272	39.4	[176444, 1378100]
May-Oct	All	Other Gear	170699 6	17.1	[1134146, 2279845]	818614	16.3	[556814, 1080415]	888381	28.8	[387750, 1389013]
May-Oct	Land	All Gear	230544 0	17.8	[1500910, 3109970]	111439 3	17.4	[734230, 1494556]	119104 7	30.0	[490549, 1891544]
May-Oct	Land	Crab pot	313978	27.8	[143004, 484952]	167214	27.9	[75906, 258522]	146764	49.8	[3505, 290022]
May-Oct	Land	Coll. Trap	117307 7	28.8	[511855, 1834300]	556230	29.0	[239809, 872651]	616847	47.5	[42872, 1190823]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Oct	Land	Other Gear	818385	26.5	[393154, 1243616]	390949	24.8	[201042, 580856]	427436	44.8	[52301, 802571]
May-Oct	Boat	All Gear	1341838	16.9	[896321, 1787355]	659630	16.3	[448414, 870846]	682208	28.8	[297057, 1067360]
May-Oct	Boat	Crab pot	124096	39.3	[28547, 219644]	63258	37.5	[16747, 109768]	60838	69.6	[0, 143840]
May-Oct	Boat	Coll. Trap	329132	31.8	[124142, 534122]	168707	30.2	[68836, 268578]	160425	56.5	[0, 338038]
May-Oct	Boat	Other Gear	888611	22.0	[504768, 1272453]	427665	21.5	[247458, 607872]	460946	36.7	[129426, 792466]
May-Jun	All	All Gear	660395	46.2	[62977, 1257813]	327423	45.7	[34177, 620668]	332972	79.3	[0, 850742]
May-Jun	All	Crab pot	68749	44.0	[9438, 128061]	34086	43.5	[5007, 63164]	34663	75.1	[0, 85703]
May-Jun	All	Coll. Trap	489451	61.4	[0, 1078536]	242669	60.8	[0, 531861]	246782	105.6	[0, 757471]
May-Jun	All	Other Gear	102195	39.8	[22380, 182009]	50668	39.2	[11740, 89596]	51527	67.7	[0, 119921]
May-Jun	Land	All Gear	557968	54.2	[0, 1150167]	276640	53.6	[0, 567321]	281328	93.1	[0, 794606]
May-Jun	Land	Crab pot	30460	65.7	[0, 69691]	15102	65.1	[0, 34360]	15358	112.3	[0, 49153]
May-Jun	Land	Coll. Trap	453173	66.1	[0, 1039988]	224682	65.4	[0, 512756]	228490	113.6	[0, 737211]
May-Jun	Land	Other Gear	74335	47.6	[4988, 143682]	36855	46.7	[3124, 70587]	37480	80.7	[0, 96774]
May-Jun	Boat	All Gear	102427	39.2	[23634, 181221]	50783	38.9	[12086, 89481]	51644	67.2	[0, 119699]
May-Jun	Boat	Crab pot	38289	59.3	[0, 82773]	18984	58.6	[0, 40770]	19306	101.1	[0, 57553]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
May-Jun	Boat	Coll. Trap	36279	72.6	[0, 87935]	17987	72.1	[0, 43389]	18292	124.9	[0, 63087]
May-Jun	Boat	Other Gear	27859	72.4	[0, 67373]	13813	71.8	[0, 33244]	14047	123.8	[0, 48134]
Jul-Aug	All	All Gear	2260128	14.5	[1619496, 2900761]	986817	13.9	[717195, 1256439]	1273312	22.8	[704392, 1842231]
Jul-Aug	All	Crab pot	190111	37.0	[52113, 328109]	83006	36.5	[23566, 142446]	107105	58.9	[0, 230715]
Jul-Aug	All	Coll. Trap	808314	21.5	[467460, 1149168]	352926	20.6	[210651, 495201]	455388	33.7	[154514, 756262]
Jul-Aug	All	Other Gear	1261703	21.2	[737123, 1786284]	550884	20.5	[329704, 772065]	710819	33.5	[244059, 1177579]
Jul-Aug	Land	All Gear	1366043	19.1	[854813, 1877272]	596441	18.4	[381033, 811849]	769601	30.1	[315724, 1223479]
Jul-Aug	Land	Crab pot	139040	42.7	[22622, 255457]	60707	42.0	[10727, 110687]	78332	67.9	[0, 182503]
Jul-Aug	Land	Coll. Trap	632046	23.8	[337435, 926658]	275964	22.5	[154401, 397527]	356083	37.1	[97250, 614915]
Jul-Aug	Land	Other Gear	594957	34.4	[193700, 996213]	259770	33.5	[89110, 430430]	335187	54.5	[0, 693180]
Jul-Aug	Boat	All Gear	894086	22.0	[508010, 1280161]	390375	21.2	[228216, 552535]	503710	34.7	[160687, 846733]
Jul-Aug	Boat	Crab pot	51071	74.0	[0, 125169]	22299	73.6	[0, 54472]	28773	118.0	[0, 95315]
Jul-Aug	Boat	Coll. Trap	176268	49.6	[4845, 347691]	76962	49.0	[3040, 150884]	99306	78.8	[0, 252703]
Jul-Aug	Boat	Other Gear	666747	25.9	[328845, 1004649]	291115	24.7	[150417, 431813]	375632	40.7	[76122, 675142]
Sep-Oct	All	All Gear	726755	19.7	[446691, 1006819]	459784	19.4	[285292, 634275]	266971	41.6	[49524, 484418]

			-Tri County-			-Resident-			-Non resident-		
Season	Mode	Gear	Sum	CV	95% CI	Sum	CV	95% CI	Sum	CV	95% CI
Sep-Oct	All	Crab pot	179213	35.8	[53513, 304913]	113380	35.2	[35139, 191621]	65833	75.6	[0, 163445]
Sep-Oct	All	Coll. Trap	204444	31.6	[77817, 331070]	129342	31.1	[50460, 208224]	75102	66.8	[0, 173419]
Sep-Oct	All	Other Gear	343098	32.1	[127225, 558971]	217062	31.6	[82514, 351610]	126036	67.8	[0, 293634]
Sep-Oct	Land	All Gear	381430	25.1	[193778, 569081]	241313	24.7	[124573, 358052]	140117	53.1	[0, 285849]
Sep-Oct	Land	Crab pot	144478	42.0	[25566, 263391]	91405	41.3	[17457, 165352]	53074	88.8	[0, 145428]
Sep-Oct	Land	Coll. Trap	87858	45.2	[9964, 165753]	55584	44.6	[7027, 104141]	32274	95.6	[0, 92748]
Sep-Oct	Land	Other Gear	149093	41.9	[26596, 271589]	94324	41.2	[18153, 170496]	54769	88.6	[0, 149908]
Sep-Oct	Boat	All Gear	345325	30.7	[137424, 553226]	218471	30.3	[88783, 348159]	126854	64.9	[0, 288240]
Sep-Oct	Boat	Crab pot	34735	59.9	[0, 75481]	21975	59.4	[0, 47538]	12760	126.4	[0, 44360]
Sep-Oct	Boat	Coll. Trap	116585	43.7	[16752, 216419]	73758	43.0	[11593, 135923]	42827	92.3	[0, 120347]
Sep-Oct	Boat	Other Gear	194005	46.7	[16253, 371757]	122738	46.1	[11827, 233648]	71267	98.8	[0, 209244]

APPENDIX H: PARTICIPATION ESTIMATES

Resident Participation: Percentage of One-month Crabbing Households per Month

Month	-Tri County-				-Cape May-				-Atlantic-				-Ocean/ Burlington-			
	Samp Size	Pct	CV	95% CI	Samp Size	Pct	CV	95% CI	Samp Size	Pct	CV	95% CI	Samp Size	Pct	CV	95% CI
Mo. Avg	2157	6.1	0.09	[5.1, 7.1]	649	6.6	0.15	[4.7, 8.6]	1006	4.1	0.16	[2.8, 5.3]	502	13.6	0.12	[10.5, 16.6]
Jun	458	5.3	0.20	[3.2, 7.3]	144	6.8	0.31	[2.6, 10.9]	185	2.9	0.45	[0.3, 5.4]	129	12.5	0.24	[6.6, 18.5]
Jul	544	7.3	0.15	[5.1, 9.5]	155	6.7	0.31	[2.6, 10.8]	284	5.5	0.26	[2.7, 8.3]	105	16.1	0.22	[9.2, 23.1]
Aug	460	9.0	0.15	[6.3, 11.7]	139	6.8	0.31	[2.7, 11.0]	209	8.0	0.24	[4.2, 11.7]	112	17.6	0.21	[10.2, 24.9]
Sep	462	5.6	0.19	[3.5, 7.6]	123	8.6	0.31	[3.4, 13.8]	236	2.6	0.41	[0.5, 4.6]	103	12.6	0.25	[6.4, 18.7]
Oct	233	3.2	0.36	[1.0, 5.4]	88	4.2	0.49	[0.2, 8.2]	92	1.4	1.00	[0.0, 4.2]	53	9.0	0.44	[1.2, 16.8]

Resident Participation: Total One-month Crabbing Households per Month

Month	-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI
Mo. Avg	2157	8066	0.08	[6728, 9404]	649	2322	0.15	[1641, 3004]	1006	3218	0.16	[2218, 4218]	502	2526	0.12	[1954, 3097]
Jun	458	8380	0.20	[5126, 11634]	144	2855	0.31	[1115, 4595]	185	2721	0.45	[309, 5134]	129	2803	0.24	[1483, 4123]
Jul	544	11667	0.15	[8152, 15182]	155	2818	0.31	[1091, 4546]	284	5247	0.26	[2608, 7885]	105	3602	0.22	[2049, 5154]

	-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
Month	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI
Aug	460	14372	0.15	[10102, 18643]	139	2874	0.31	[1129, 4619]	209	7570	0.24	[4035, 11105]	112	3928	0.21	[2286, 5571]
Sep	462	8868	0.19	[5608, 12128]	123	3631	0.31	[1429, 5832]	236	2432	0.41	[463, 4402]	103	2806	0.25	[1426, 4185]
Oct	233	5110	0.36	[1536, 8683]	88	1756	0.49	[72, 3440]	92	1338	1.00	[0, 3962]	53	2015	0.44	[268, 3762]

Participation (Resident + Non-Resident): Total Number of One-month Crabbing Households per Month

	-Tri County Participants-			-Res Participants-			-Non Res Participants-		
Month	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
Mo. Avg	19896	0.10	[15955, 23838]	8066	0.08	[6728, 9404]	11830	0.16	[8123, 15537]
Jun	19673	0.23	[10865, 28481]	8380	0.20	[5126, 11634]	11293	0.37	[3108, 19478]
Jul	34085	0.19	[21397, 46773]	11667	0.15	[8152, 15182]	22418	0.28	[10227, 34610]
Aug	41989	0.19	[26500, 57478]	14372	0.15	[10102, 18643]	27617	0.28	[12728, 42506]
Sep	14993	0.22	[8600, 21386]	8868	0.19	[5608, 12128]	6125	0.46	[625, 11624]
Oct	8638	0.37	[2315, 14961]	5110	0.36	[1536, 8683]	3529	0.75	[0, 8745]

Resident Participation: Total One-month Crabbers per Month

	-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
Month	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI
Mo. Avg	2157	16744	0.10	[13590, 19898]	649	5026	0.17	[3356, 6696]	1006	6632	0.18	[4300, 8963]	502	5086	0.13	[3774, 6399]
Jun	458	16882	0.23	[9179, 24584]	144	6526	0.32	[2370, 10682]	185	5216	0.58	[0, 11100]	129	5139	0.27	[2412, 7867]
Jul	544	28484	0.17	[18792, 38177]	155	7046	0.33	[2432, 11660]	284	12388	0.30	[5078, 19698]	105	9050	0.25	[4666, 13434]
Aug	460	27922	0.18	[18183, 37660]	139	5337	0.37	[1488, 9185]	209	15339	0.27	[7154, 23525]	112	7246	0.25	[3636, 10855]
Sep	462	17322	0.22	[9969, 24675]	123	7735	0.37	[2113, 13357]	236	4169	0.45	[464, 7875]	103	5418	0.28	[2464, 8371]
Oct	233	9853	0.39	[2277, 17428]	88	3512	0.58	[0, 7494]	92	2677	1.00	[0, 7923]	53	3664	0.52	[0, 7406]

Participation (Resident + Non-Resident): Total Number of One-month Crabbers per Month

	-Tri County Participants-			-Res Participants-			-Non Res Participants-		
Month	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
Mo. Avg	41728	0.11	[32543, 50912]	16744	0.10	[13590, 19898]	24984	0.18	[16360, 33608]
Jun	39631	0.26	[19506, 59756]	16882	0.23	[9179, 24584]	22749	0.42	[4156, 41343]
Jul	83218	0.21	[49561, 117E3]	28484	0.17	[18792, 38177]	54734	0.30	[22503, 86966]
Aug	81576	0.21	[47997, 115E3]	27922	0.18	[18183, 37660]	53654	0.31	[21518, 85789]

	-Tri County Participants-			-Res Participants-			-Non Res Participants-		
Month	Total	CV	95% CI	Total	CV	95% CI	Total	CV	95% CI
Sep	29285	0.24	[15337, 43233]	17322	0.22	[9969, 24675]	11963	0.51	[110, 23816]
Oct	16657	0.41	[3354, 29960]	9853	0.39	[2277, 17428]	6804	0.82	[0, 17740]

Resident Participation: Percentage of 12-month Crabbing Households

-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
Samp Size	Pct	CV	95% CI	Samp Size	Pct	CV	95% CI	Samp Size	Pct	CV	95% CI	Samp Size	Pct	CV	95% CI
2157	13.6	0.05	[12.2, 15.1]	649	14.3	0.10	[11.6, 17.0]	1006	10.4	0.09	[8.4, 12.3]	502	26.4	0.08	[22.4, 30.3]

Resident Participation: Total 12-month Crabbing Households

-Tri County-				-Cape May-				-Atlantic-				-Ocean/Burlington-			
Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI	Samp Size	Total	CV	95% CI
2157	21757	0.05	[19424, 24090]	649	6025	0.10	[4873, 7178]	1006	9840	0.09	[8012, 11668]	502	5891	0.08	[5011, 6772]

Resident Participation: Crabbing participants per One-month Crabbing Household

	-Tri County-			-Cape May-			-Atlantic-			-Ocean/Burlington-		
	Samp Size	Mean	95% CI	Samp Size	Mean	95% CI	Samp Size	Mean	95% CI	Samp Size	Mean	95% CI
Pct. all together	99	0.82	[0.7, 0.9]	29	0.83	[0.7, 1.0]	27	0.80	[0.6, 1.0]	43	0.82	[0.7, 0.9]
Crabbers per HH	160	2.15	[2.0, 2.4]	44	2.29	[1.9, 2.7]	44	2.09	[1.8, 2.4]	72	2.11	[1.8, 2.4]

APPENDIX I: INTERCEPT SURVEY, FREQUENCY OF SURVEY RESPONSES

1. Assignment no.

Assign Num	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	430	100.00	430	100.00

2. Interviewer ID

IntNum	Frequency	Percent	Cumulative Frequency	Cumulative Percent
6068	20	4.65	20	4.65
6137	22	5.12	42	9.77
6310	188	43.72	230	53.49
6312	12	2.79	242	56.28
6484	68	15.81	310	72.09
6486	59	13.72	369	85.81
6530	61	14.19	430	100.00

3. Interview month

Month	Frequency	Percent	Cumulative Frequency	Cumulative Percent
5	34	7.91	34	7.91
6	85	19.77	119	27.67
7	154	35.81	273	63.49
8	59	13.72	332	77.21
9	81	18.84	413	96.05
10	17	3.95	430	100.00

3. Interview day				
Day	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	18	4.19	18	4.19
2	22	5.12	40	9.30
3	17	3.95	57	13.26
5	12	2.79	69	16.05
8	7	1.63	76	17.67
9	24	5.58	100	23.26
10	27	6.28	127	29.53
11	39	9.07	166	38.60
12	12	2.79	178	41.40
13	11	2.56	189	43.95
14	10	2.33	199	46.28
15	16	3.72	215	50.00
16	21	4.88	236	54.88
17	12	2.79	248	57.67
18	7	1.63	255	59.30
19	9	2.09	264	61.40
20	17	3.95	281	65.35
21	10	2.33	291	67.67
22	8	1.86	299	69.53
23	13	3.02	312	72.56
24	20	4.65	332	77.21
26	13	3.02	345	80.23
27	18	4.19	363	84.42
28	20	4.65	383	89.07
29	21	4.88	404	93.95
30	12	2.79	416	96.74
31	14	3.26	430	100.00

3. Interview year				
Year	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2006	430	100.00	430	100.00

4. Interview number				
IntrcpNm	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	49	11.40	49	11.40
2	49	11.40	98	22.79
3	46	10.70	144	33.49
4	45	10.47	189	43.95
5	42	9.77	231	53.72
6	40	9.30	271	63.02
7	40	9.30	311	72.33
8	37	8.60	348	80.93
9	29	6.74	377	87.67
10	20	4.65	397	92.33
11	15	3.49	412	95.81
12	13	3.02	425	98.84
13	3	0.70	428	99.53
14	2	0.47	430	100.00

5. Interview time				
IntTime	Frequency	Percent	Cumulative Frequency	Cumulative Percent
920	1	0.23	1	0.23
945	1	0.23	2	0.47
1000	4	0.93	6	1.40
1015	2	0.47	8	1.86
1020	2	0.47	10	2.33
1025	1	0.23	11	2.56
1035	1	0.23	12	2.79
1040	3	0.70	15	3.49
1045	7	1.63	22	5.12
1050	3	0.70	25	5.81
1055	3	0.70	28	6.51
1057	1	0.23	29	6.74
1100	2	0.47	31	7.21
1105	1	0.23	32	7.44
1110	2	0.47	34	7.91
1112	1	0.23	35	8.14
1115	4	0.93	39	9.07
1120	4	0.93	43	10.00
1125	4	0.93	47	10.93
1130	4	0.93	51	11.86
1135	3	0.70	54	12.56
1140	3	0.70	57	13.26
1145	2	0.47	59	13.72
1150	6	1.40	65	15.12
1155	2	0.47	67	15.58
1158	1	0.23	68	15.81
1200	6	1.40	74	17.21
1205	5	1.16	79	18.37
1210	5	1.16	84	19.53
1215	7	1.63	91	21.16
1220	2	0.47	93	21.63
1222	1	0.23	94	21.86
1224	1	0.23	95	22.09

5. Interview time				
IntTime	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1225	1	0.23	96	22.33
1230	7	1.63	103	23.95
1234	1	0.23	104	24.19
1235	4	0.93	108	25.12
1238	1	0.23	109	25.35
1240	2	0.47	111	25.81
1245	5	1.16	116	26.98
1250	7	1.63	123	28.60
1255	3	0.70	126	29.30
1300	7	1.63	133	30.93
1303	1	0.23	134	31.16
1304	1	0.23	135	31.40
1305	4	0.93	139	32.33
1308	1	0.23	140	32.56
1310	6	1.40	146	33.95
1315	6	1.40	152	35.35
1320	6	1.40	158	36.74
1322	1	0.23	159	36.98
1325	1	0.23	160	37.21
1328	1	0.23	161	37.44
1330	7	1.63	168	39.07
1340	6	1.40	174	40.47
1345	10	2.33	184	42.79
1350	6	1.40	190	44.19
1353	1	0.23	191	44.42
1355	4	0.93	195	45.35
1357	1	0.23	196	45.58
1358	1	0.23	197	45.81
1400	11	2.56	208	48.37
1402	1	0.23	209	48.60
1403	1	0.23	210	48.84
1405	4	0.93	214	49.77
1410	5	1.16	219	50.93

5. Interview time				
IntTime	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1415	3	0.70	222	51.63
1420	5	1.16	227	52.79
1430	8	1.86	235	54.65
1431	1	0.23	236	54.88
1433	1	0.23	237	55.12
1435	6	1.40	243	56.51
1436	1	0.23	244	56.74
1437	1	0.23	245	56.98
1440	5	1.16	250	58.14
1443	1	0.23	251	58.37
1445	2	0.47	253	58.84
1446	1	0.23	254	59.07
1450	7	1.63	261	60.70
1455	8	1.86	269	62.56
1456	1	0.23	270	62.79
1500	10	2.33	280	65.12
1505	4	0.93	284	66.05
1510	7	1.63	291	67.67
1512	1	0.23	292	67.91
1515	3	0.70	295	68.60
1516	1	0.23	296	68.84
1517	1	0.23	297	69.07
1520	1	0.23	298	69.30
1525	3	0.70	301	70.00
1530	6	1.40	307	71.40
1534	1	0.23	308	71.63
1535	4	0.93	312	72.56
1540	5	1.16	317	73.72
1544	1	0.23	318	73.95
1545	2	0.47	320	74.42
1547	1	0.23	321	74.65
1549	1	0.23	322	74.88
1550	6	1.40	328	76.28

5. Interview time				
IntTime	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1555	2	0.47	330	76.74
1556	1	0.23	331	76.98
1600	3	0.70	334	77.67
1604	1	0.23	335	77.91
1605	2	0.47	337	78.37
1610	5	1.16	342	79.53
1615	3	0.70	345	80.23
1616	1	0.23	346	80.47
1618	1	0.23	347	80.70
1619	1	0.23	348	80.93
1620	6	1.40	354	82.33
1623	1	0.23	355	82.56
1625	1	0.23	356	82.79
1626	1	0.23	357	83.02
1630	4	0.93	361	83.95
1635	1	0.23	362	84.19
1640	3	0.70	365	84.88
1644	1	0.23	366	85.12
1645	5	1.16	371	86.28
1650	3	0.70	374	86.98
1653	1	0.23	375	87.21
1655	7	1.63	382	88.84
1656	1	0.23	383	89.07
1658	1	0.23	384	89.30
1700	1	0.23	385	89.53
1703	2	0.47	387	90.00
1705	4	0.93	391	90.93
1710	4	0.93	395	91.86
1715	4	0.93	399	92.79
1720	7	1.63	406	94.42
1730	3	0.70	409	95.12
1735	2	0.47	411	95.58
1739	1	0.23	412	95.81

5. Interview time				
IntTime	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1745	3	0.70	415	96.51
1750	2	0.47	417	96.98
1752	1	0.23	418	97.21
1755	2	0.47	420	97.67
1759	1	0.23	421	97.91
1804	1	0.23	422	98.14
1810	2	0.47	424	98.60
1815	2	0.47	426	99.07
1820	2	0.47	428	99.53
1830	2	0.47	430	100.00

6. Interview state				
State	Frequency	Per cent	Cumulative Frequency	Cumulative Percent
34	430	100.00	430	100.00

7. Interview county				
County	Frequency	Per cent	Cumulative Frequency	Cumulative Percent
001	170	39.53	170	39.53
009	188	43.72	358	83.26
029	72	16.74	430	100.00

8. Interview site				
Site	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0031	4	0.93	4	0.93
1033	2	0.47	6	1.40
1075	11	2.56	17	3.95
1164	2	0.47	19	4.42
1495	11	2.56	30	6.98
1571	9	2.09	39	9.07
1967	4	0.93	43	10.00
AC01	6	1.40	49	11.40
AC02	16	3.72	65	15.12
AC03	12	2.79	77	17.91
AC05	2	0.47	79	18.37
AC10	27	6.28	106	24.65
AC11	6	1.40	112	26.05
AC12	11	2.56	123	28.60
AC13	2	0.47	125	29.07
AC15	4	0.93	129	30.00
AC41	20	4.65	149	34.65
AC42	17	3.95	166	38.60
AC43	8	1.86	174	40.47
AC44	12	2.79	186	43.26
AC45	8	1.86	194	45.12
AC46	10	2.33	204	47.44
CM01	19	4.42	223	51.86
CM02	15	3.49	238	55.35
CM03	7	1.63	245	56.98
CM05	16	3.72	261	60.70
CM06	31	7.21	292	67.91
CM07	35	8.14	327	76.05
CM08	23	5.35	350	81.40
CM09	22	5.12	372	86.51
CM10	8	1.86	380	88.37
OC01	27	6.28	407	94.65
OC02	6	1.40	413	96.05

8. Interview site				
Site	Frequency	Percent	Cumulative Frequency	Cumulative Percent
OC03	17	3.95	430	100.00

9. Where were you crabbing from?				
CrabLoc	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	30	6.98	30	6.98
2	28	6.51	58	13.49
3	20	4.65	78	18.14
4	194	45.12	272	63.26
5	7	1.63	279	64.88
6	133	30.93	412	95.81
7	8	1.86	420	97.67
8	10	2.33	430	100.00

9. Where were you crabbing from?(other)				
CrabLoco	Frequency	Percent	Cumulative Frequency	Cumulative Percent
BULKHEAD	7	100.00	7	100.00

Frequency Missing = 423

Shore mode				
Shoremode	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Y	412	100.00	412	100.00

Frequency Missing = 18

10. Where most effort today?				
CrabEff	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2	0.47	2	0.47
2	9	2.09	11	2.56
3	105	24.42	116	26.98
4	6	1.40	122	28.37
5	164	38.14	286	66.51
6	24	5.58	310	72.09
7	16	3.72	326	75.81
9	85	19.77	411	95.58
10	11	2.56	422	98.14
11	8	1.86	430	100.00

10. Where most effort today? (other)				
CrabEf_o	Frequency	Percent	Cumulative Frequency	Cumulative Percent
ABSECON CREEK	4	50.00	4	50.00
GRASSY SOUND	4	50.00	8	100.00

Frequency Missing = 422

11. Primary gear type?				
Gear	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	9	2.09	9	2.09
3	57	13.26	66	15.35
4	15	3.49	81	18.84
5	3	0.70	84	19.53
6	234	54.42	318	73.95
7	1	0.23	319	74.19
8	53	12.33	372	86.51
98	58	13.49	430	100.00

11. Primary gear type? (other)				
Gear_oth	Frequency	Percent	Cumulative Frequency	Cumulative Percent

Frequency Missing = 430

11a. Days since gear last checked				
DaysChk	Frequency	Percent	Cumulative Frequency	Cumulative Percent
88	421	97.91	421	97.91
99	9	2.09	430	100.00

11b. Days gear in the water				
DaysWter	Frequency	Percent	Cumulative Frequency	Cumulative Percent
88	421	97.91	421	97.91
99	9	2.09	430	100.00

12. Hours spent crabbing today (hrs)				
HrsSpnt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	3	0.70	3	0.70
1	70	16.28	73	16.98
2	182	42.33	255	59.30
3	94	21.86	349	81.16
4	47	10.93	396	92.09
5	15	3.49	411	95.58
6	11	2.56	422	98.14
7	8	1.86	430	100.00

12. Hours spent crabbing today (0.1 hrs)				
HrsSpntD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	339	78.84	339	78.84
5	91	21.16	430	100.00

13. Additional hours crabbing today (hrs)				
AddHrs	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	216	50.23	216	50.23
1	139	32.33	355	82.56
2	57	13.26	412	95.81
3	11	2.56	423	98.37
4	4	0.93	427	99.30
99	3	0.70	430	100.00

13. Additional hours crabbing today (0.1 hrs)				
AddHrsD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	338	78.60	338	78.60
5	89	20.70	427	99.30
9	3	0.70	430	100.00

14. NJ crabbing days previous 12 months				
Days12	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	46	10.70	46	10.70
1	28	6.51	74	17.21
2	43	10.00	117	27.21
3	20	4.65	137	31.86
4	37	8.60	174	40.47
5	28	6.51	202	46.98
6	41	9.53	243	56.51
7	8	1.86	251	58.37
8	4	0.93	255	59.30
10	59	13.72	314	73.02
12	25	5.81	339	78.84
14	4	0.93	343	79.77
15	14	3.26	357	83.02
16	2	0.47	359	83.49
18	1	0.23	360	83.72
20	35	8.14	395	91.86
25	4	0.93	399	92.79
30	13	3.02	412	95.81
35	1	0.23	413	96.05
40	7	1.63	420	97.67
50	5	1.16	425	98.84
60	1	0.23	426	99.07
70	1	0.23	427	99.30
80	1	0.23	428	99.53
90	1	0.23	429	99.77
999	1	0.23	430	100.00

15. NJ crabbing days previous month				
DaysMnth	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	174	40.47	174	40.47
1	50	11.63	224	52.09
2	52	12.09	276	64.19
3	31	7.21	307	71.40
4	38	8.84	345	80.23
5	20	4.65	365	84.88
6	23	5.35	388	90.23
7	7	1.63	395	91.86
8	12	2.79	407	94.65
10	8	1.86	415	96.51
12	1	0.23	416	96.74
14	3	0.70	419	97.44
15	6	1.40	425	98.84
20	5	1.16	430	100.00

16. County of residence				
Cntycode	Frequency	Percent	Cumulative Frequency	Cumulative Percent
001	151	35.12	151	35.12
003	11	2.56	162	37.67
005	26	6.05	188	43.72
007	41	9.53	229	53.26
009	29	6.74	258	60.00
011	3	0.70	261	60.70
013	2	0.47	263	61.16
015	16	3.72	279	64.88
017	23	5.35	302	70.23
021	3	0.70	305	70.93
029	14	3.26	319	74.19
031	3	0.70	322	74.88
033	3	0.70	325	75.58
035	3	0.70	328	76.28
041	6	1.40	334	77.67
043	6	1.40	340	79.07
045	13	3.02	353	82.09
063	1	0.23	354	82.33
067	1	0.23	355	82.56
071	2	0.47	357	83.02
077	3	0.70	360	83.72
079	1	0.23	361	83.95
087	6	1.40	367	85.35
091	13	3.02	380	88.37
101	41	9.53	421	97.91
103	1	0.23	422	98.14
127	2	0.47	424	98.60
183	3	0.70	427	99.30
185	2	0.47	429	99.77
998	1	0.23	430	100.00

16. County name of residence				
Cntyname	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Adams	3	0.70	3	0.70
Atlantic	147	34.27	150	34.97
Bergen	6	1.40	156	36.36
Bucks	21	4.90	177	41.26
Burlington	26	6.06	203	47.32
Camden	40	9.32	243	56.64
Cape May	29	6.76	272	63.40
Chester	2	0.47	274	63.87
Coos	1	0.23	275	64.10
Cumberland	3	0.70	278	64.80
Dauphin	6	1.40	284	66.20
Delaware	13	3.03	297	69.23
District of Columbia	1	0.23	298	69.46
Forsyth	1	0.23	299	69.70
Gloucester	16	3.73	315	73.43
Henrico	3	0.70	318	74.13
Lehigh	3	0.70	321	74.83
Luzerne	1	0.23	322	75.06
Maricopa	2	0.47	324	75.52
Middlesex	2	0.47	326	75.99
Montgomery	13	3.03	339	79.02
New Castle	5	1.17	344	80.19
Niagara	1	0.23	345	80.42
Norfolk	3	0.70	348	81.12
Ocean	12	2.80	360	83.92
Oldham	2	0.47	362	84.38
Orange	2	0.47	364	84.85
Outagamie	3	0.70	367	85.55
Passaic	3	0.70	370	86.25
Philadelphia	41	9.56	411	95.80
Pike	1	0.23	412	96.04
Salem	3	0.70	415	96.74
Somerset	3	0.70	418	97.44

16. County name of residence				
Cntyname	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Wake	3	0.70	421	98.14
Warren	6	1.40	427	99.53
Wayne	2	0.47	429	100.00

16. State of residence				
Stcode	Frequency	Per cent	Cumulative Frequency	Cumulative Percent
04	2	0.47	2	0.47
10	5	1.16	7	1.63
11	1	0.23	8	1.86
18	3	0.70	11	2.56
21	2	0.47	13	3.02
25	5	1.16	18	4.19
33	1	0.23	19	4.42
34	294	68.37	313	72.79
36	3	0.70	316	73.49
37	4	0.93	320	74.42
42	103	23.95	423	98.37
51	3	0.70	426	99.07
55	3	0.70	429	99.77
63	1	0.23	430	100.00

16. State name of residence				
Stname	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Arizona	2	0.47	2	0.47
Delaware	5	1.17	7	1.63
District of Columbia	1	0.23	8	1.86
Indiana	3	0.70	11	2.56
Kentucky	2	0.47	13	3.03
Massachusetts	5	1.17	18	4.20
New Hampshire	1	0.23	19	4.43
New Jersey	294	68.53	313	72.96
New York	3	0.70	316	73.66
North Carolina	4	0.93	320	74.59
Pennsylvania	103	24.01	423	98.60
Virginia	3	0.70	426	99.30
Wisconsin	3	0.70	429	100.00

17. ZIP code of residence				
ZIP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01453	1	0.23	1	0.23
01464	1	0.23	2	0.47
01920	1	0.23	3	0.70
02186	3	0.70	6	1.40
07463	5	1.16	11	2.56
07480	3	0.70	14	3.26
08003	3	0.70	17	3.95
08004	2	0.47	19	4.42
08007	2	0.47	21	4.88
08009	1	0.23	22	5.12
08012	1	0.23	23	5.35
08015	2	0.47	25	5.81
08016	6	1.40	31	7.21
08021	5	1.16	36	8.37
08031	2	0.47	38	8.84
08037	10	2.33	48	11.16
08049	1	0.23	49	11.40
08050	2	0.47	51	11.86
08052	2	0.47	53	12.33
08054	1	0.23	54	12.56
08060	1	0.23	55	12.79
08062	1	0.23	56	13.02
08065	3	0.70	59	13.72
08070	1	0.23	60	13.95
08075	3	0.70	63	14.65
08080	7	1.63	70	16.28
08081	3	0.70	73	16.98
08086	1	0.23	74	17.21
08087	9	2.09	83	19.30
08088	4	0.93	87	20.23
08091	3	0.70	90	20.93
08094	2	0.47	92	21.40
08097	2	0.47	94	21.86

17. ZIP code of residence				
ZIP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
08105	1	0.23	95	22.09
08106	3	0.70	98	22.79
08107	1	0.23	99	23.02
08110	2	0.47	101	23.49
08201	7	1.63	108	25.12
08203	3	0.70	111	25.81
08205	8	1.86	119	27.67
08210	3	0.70	122	28.37
08213	4	0.93	126	29.30
08214	7	1.63	133	30.93
08215	11	2.56	144	33.49
08219	2	0.47	146	33.95
08221	22	5.12	168	39.07
08223	1	0.23	169	39.30
08226	2	0.47	171	39.77
08230	11	2.56	182	42.33
08232	16	3.72	198	46.05
08234	28	6.51	226	52.56
08240	1	0.23	227	52.79
08244	1	0.23	228	53.02
08270	3	0.70	231	53.72
08302	3	0.70	234	54.42
08318	2	0.47	236	54.88
08319	2	0.47	238	55.35
08322	6	1.40	244	56.74
08327	4	0.93	248	57.67
08328	3	0.70	251	58.37
08330	16	3.72	267	62.09
08332	2	0.47	269	62.56
08342	2	0.47	271	63.02
08401	17	3.95	288	66.98
08402	1	0.23	289	67.21
08505	2	0.47	291	67.67

17. ZIP code of residence				
ZIP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
08514	1	0.23	292	67.91
08583	1	0.23	293	68.14
08844	3	0.70	296	68.84
10990	2	0.47	298	69.30
14092	1	0.23	299	69.53
17032	5	1.16	304	70.70
17112	1	0.23	305	70.93
18109	3	0.70	308	71.63
18431	2	0.47	310	72.09
18445	1	0.23	311	72.33
18707	1	0.23	312	72.56
18946	1	0.23	313	72.79
19006	3	0.70	316	73.49
19008	1	0.23	317	73.72
19018	4	0.93	321	74.65
19020	2	0.47	323	75.12
19023	2	0.47	325	75.58
19026	3	0.70	328	76.28
19032	2	0.47	330	76.74
19046	1	0.23	331	76.98
19053	4	0.93	335	77.91
19056	5	1.16	340	79.07
19057	3	0.70	343	79.77
19061	1	0.23	344	80.00
19067	2	0.47	346	80.47
19090	1	0.23	347	80.70
19104	3	0.70	350	81.40
19105	2	0.47	352	81.86
19111	1	0.23	353	82.09
19114	8	1.86	361	83.95
19120	1	0.23	362	84.19
19124	3	0.70	365	84.88
19127	2	0.47	367	85.35

17. ZIP code of residence				
ZIP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
19128	2	0.47	369	85.81
19131	1	0.23	370	86.05
19134	1	0.23	371	86.28
19136	3	0.70	374	86.98
19144	6	1.40	380	88.37
19146	1	0.23	381	88.60
19148	4	0.93	385	89.53
19149	2	0.47	387	90.00
19363	1	0.23	388	90.23
19380	1	0.23	389	90.47
19401	3	0.70	392	91.16
19403	2	0.47	394	91.63
19426	4	0.93	398	92.56
19462	1	0.23	399	92.79
19473	1	0.23	400	93.02
19701	1	0.23	401	93.26
19809	3	0.70	404	93.95
19810	1	0.23	405	94.19
20011	1	0.23	406	94.42
23233	3	0.70	409	95.12
27101	1	0.23	410	95.35
27591	3	0.70	413	96.05
40014	2	0.47	415	96.51
46733	3	0.70	418	97.21
85260	2	0.47	420	97.67
99997	1	0.23	421	97.91
99998	8	1.86	429	99.77
99999	1	0.23	430	100.00

18. Private residence?				
TypeRes	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	422	98.14	422	98.14
8	8	1.86	430	100.00

Frequency Missing = 1

19. Does your home have a telephone?				
Phone	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	389	90.47	389	90.47
2	35	8.14	424	98.60
8	6	1.40	430	100.00

20. Name and/or phone number not given				
No_name/ ph	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	342	79.53	342	79.53
1	88	20.47	430	100.00

Frequency Missing = 1

21. Disposition of crabs not seen				
DispTyp2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	404	96.65	404	96.65
3	14	3.35	418	100.00

21. Number of crabs not seen				
Numtype2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	13	3.11	13	3.11
2	29	6.94	42	10.05
3	35	8.37	77	18.42
4	30	7.18	107	25.60
5	28	6.70	135	32.30
6	37	8.85	172	41.15
7	20	4.78	192	45.93
8	36	8.61	228	54.55
9	6	1.44	234	55.98
10	44	10.53	278	66.51
11	3	0.72	281	67.22
12	23	5.50	304	72.73
13	4	0.96	308	73.68
14	3	0.72	311	74.40
15	34	8.13	345	82.54
16	5	1.20	350	83.73
18	6	1.44	356	85.17
19	1	0.24	357	85.41
20	24	5.74	381	91.15
24	4	0.96	385	92.11
25	13	3.11	398	95.22
30	8	1.91	406	97.13
35	1	0.24	407	97.37
36	2	0.48	409	97.85
40	5	1.20	414	99.04
48	1	0.24	415	99.28
50	3	0.72	418	100.00

22. Blue crab catch available?

Type3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	176	40.93	176	40.93
2	115	26.74	291	67.67
3	139	32.33	430	100.00

22. Blue crab catch other interview no.

Crablist	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	33	23.74	33	23.74
2	6	4.32	39	28.06
3	21	15.11	60	43.17
4	12	8.63	72	51.80
5	10	7.19	82	58.99
6	13	9.35	95	68.35
7	23	16.55	118	84.89
8	5	3.60	123	88.49
9	3	2.16	126	90.65
10	6	4.32	132	94.96
11	4	2.88	136	97.84
12	1	0.72	137	98.56
13	1	0.72	138	99.28
14	1	0.72	139	100.00

Frequency Missing = 291

23. Caught by self or others?

Contribs	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	78	18.14	78	18.14
2	98	22.79	176	40.93
8	254	59.07	430	100.00

24. Separate out individual catch?				
SepCatch	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2	98	22.79	98	22.79
8	332	77.21	430	100.00

25. How many contributors to Type 3 catch?				
NumCntrb	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2	52	12.09	52	12.09
3	26	6.05	78	18.14
4	18	4.19	96	22.33
5	2	0.47	98	22.79
88	332	77.21	430	100.00

26. How many crabbers on your boat?				
NumOnBoat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2	10	2.33	10	2.33
4	8	1.86	18	4.19
888	412	95.81	430	100.00

27. Number of blue crabs				
Numcrab	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	12	1.04	12	1.04
2	25	2.16	37	3.20
3	37	3.20	74	6.40
4	48	4.15	122	10.55
5	55	4.76	177	15.31
6	68	5.88	245	21.19
7	114	9.86	359	31.06
8	114	9.86	473	40.92
9	54	4.67	527	45.59
10	81	7.01	608	52.60
11	46	3.98	654	56.57
12	62	5.36	716	61.94
13	63	5.45	779	67.39
14	75	6.49	854	73.88
15	75	6.49	929	80.36
16	14	1.21	943	81.57
17	17	1.47	960	83.04
18	16	1.38	976	84.43
19	24	2.08	1000	86.51
20	30	2.60	1030	89.10
21	8	0.69	1038	89.79
22	21	1.82	1059	91.61
23	19	1.64	1078	93.25
27	15	1.30	1093	94.55
28	7	0.61	1100	95.16
29	10	0.87	1110	96.02
30	30	2.60	1140	98.62
33	5	0.43	1145	99.05
34	10	0.87	1155	99.91
47	1	0.09	1156	100.00

27. Carapace width				
Carapace	Frequency	Percent	Cumulative Frequency	Cumulative Percent
100	2	0.17	2	0.17
101	1	0.09	3	0.26
102	2	0.17	5	0.43
103	3	0.26	8	0.69
105	2	0.17	10	0.87
108	1	0.09	11	0.95
109	2	0.17	13	1.12
110	4	0.35	17	1.47
111	11	0.95	28	2.42
112	11	0.95	39	3.37
113	12	1.04	51	4.41
114	33	2.85	84	7.27
115	34	2.94	118	10.21
116	37	3.20	155	13.41
117	34	2.94	189	16.35
118	52	4.50	241	20.85
119	37	3.20	278	24.05
120	44	3.81	322	27.85
121	48	4.15	370	32.01
122	49	4.24	419	36.25
123	34	2.94	453	39.19
124	38	3.29	491	42.47
125	50	4.33	541	46.80
126	29	2.51	570	49.31
127	41	3.55	611	52.85
128	15	1.30	626	54.15
129	39	3.37	665	57.53
130	32	2.77	697	60.29
131	43	3.72	740	64.01
132	33	2.85	773	66.87
133	23	1.99	796	68.86
134	32	2.77	828	71.63
135	17	1.47	845	73.10

27. Carapace width				
Carapace	Frequency	Percent	Cumulative Frequency	Cumulative Percent
136	22	1.90	867	75.00
137	21	1.82	888	76.82
138	19	1.64	907	78.46
139	15	1.30	922	79.76
140	13	1.12	935	80.88
141	25	2.16	960	83.04
142	31	2.68	991	85.73
143	17	1.47	1008	87.20
144	14	1.21	1022	88.41
145	8	0.69	1030	89.10
146	17	1.47	1047	90.57
147	15	1.30	1062	91.87
148	8	0.69	1070	92.56
149	8	0.69	1078	93.25
150	5	0.43	1083	93.69
151	7	0.61	1090	94.29
152	14	1.21	1104	95.50
153	5	0.43	1109	95.93
154	7	0.61	1116	96.54
155	3	0.26	1119	96.80
156	9	0.78	1128	97.58
157	3	0.26	1131	97.84
160	3	0.26	1134	98.10
161	2	0.17	1136	98.27
162	4	0.35	1140	98.62
163	1	0.09	1141	98.70
164	2	0.17	1143	98.88
165	1	0.09	1144	98.96
166	1	0.09	1145	99.05
171	1	0.09	1146	99.13
999	4	0.35	1156	100.00

27. Disposition				
Disp	Frequency	Percent	Cumulative Frequency	Cumulative Percent
3	1139	98.53	1139	98.53
8	17	1.47	1156	100.00

27. Sex				
Sex	Frequency	Percent	Cumulative Frequency	Cumulative Percent
9	13	1.12	13	1.12
F	176	15.22	189	16.35
M	967	83.65	1156	100.00

27. Mature female?				
Mat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-	967	83.65	967	83.65
9	15	1.30	982	84.95
N	68	5.88	1050	90.83
Y	106	9.17	1156	100.00

28. How many crabs will you eat?

NumEat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	24	5.58	24	5.58
1	14	3.26	38	8.84
2	16	3.72	54	12.56
3	20	4.65	74	17.21
4	18	4.19	92	21.40
5	7	1.63	99	23.02
6	38	8.84	137	31.86
7	2	0.47	139	32.33
8	5	1.16	144	33.49
10	26	6.05	170	39.53
12	21	4.88	191	44.42
14	1	0.23	192	44.65
15	1	0.23	193	44.88
18	1	0.23	194	45.12
24	1	0.23	195	45.35
88	235	54.65	430	100.00

29. How often eat personally caught crabs?

EatCrabs	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	7	1.63	7	1.63
2	28	6.51	35	8.14
3	58	13.49	93	21.63
4	73	16.98	166	38.60
5	61	14.19	227	52.79
8	202	46.98	429	99.77
9	1	0.23	430	100.00

30. Clean out green gland (tomalley)?				
Tomalley	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	172	40.00	172	40.00
2	123	28.60	295	68.60
8	133	30.93	428	99.53
9	2	0.47	430	100.00

Box B. First crabber interviewed on boat?				
FrstCrbr	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	9	2.09	9	2.09
2	9	2.09	18	4.19
8	412	95.81	430	100.00

Box B. Int no. of 1st crabber in party				
FirstInt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2	22.22	2	22.22
3	1	11.11	3	33.33
4	1	11.11	4	44.44
5	3	33.33	7	77.78
11	1	11.11	8	88.89
13	1	11.11	9	100.00

Frequency Missing = 421

APPENDIX J: TELEPHONE SURVEY, FREQUENCY OF SURVEY RESPONSES

No. people in HH crabbing last 12 months				
Q1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	1828	84.75	1828	84.75
1	120	5.56	1948	90.31
2	105	4.87	2053	95.18
3	41	1.90	2094	97.08
4	37	1.72	2131	98.79
5	15	0.70	2146	99.49
6	7	0.32	2153	99.81
7	1	0.05	2154	99.86
8	2	0.09	2156	99.95
9	1	0.05	2157	100.00

No. people in HH crabbing in previous month				
Q2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	169	51.37	169	51.37
1	61	18.54	230	69.91
2	57	17.33	287	87.23
3	12	3.65	299	90.88
4	20	6.08	319	96.96
5	8	2.43	327	99.39
6	1	0.30	328	99.70
8	1	0.30	329	100.00

Frequency Missing = 1828

Respondent crabbing in previous month?				
Q3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	155	96.88	155	96.88
02	5	3.13	160	100.00

Frequency Missing = 1997

All HH members take trips together?				
Q3A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	133	83.13	133	83.13
02	27	16.88	160	100.00

Frequency Missing = 1997

Number of trips				
Num_trps	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	130	81.25	130	81.25
2	24	15.00	154	96.25
3	3	1.88	157	98.13
4	3	1.88	160	100.00

Frequency Missing = 1997

Trip number				
Trip_num	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	160	80.40	160	80.40
2	30	15.08	190	95.48
3	6	3.02	196	98.49
4	3	1.51	199	100.00

Day of month of trip				
Q4	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2	1.01	2	1.01
2	3	1.51	5	2.51
3	5	2.51	10	5.03
4	1	0.50	11	5.53
5	9	4.52	20	10.05
6	3	1.51	23	11.56
7	3	1.51	26	13.07
8	5	2.51	31	15.58
9	6	3.02	37	18.59
10	4	2.01	41	20.60
11	1	0.50	42	21.11
13	3	1.51	45	22.61
14	1	0.50	46	23.12
15	13	6.53	59	29.65
16	6	3.02	65	32.66
17	5	2.51	70	35.18
18	4	2.01	74	37.19
19	3	1.51	77	38.69
20	2	1.01	79	39.70
21	3	1.51	82	41.21
22	4	2.01	86	43.22
23	7	3.52	93	46.73
24	4	2.01	97	48.74
25	5	2.51	102	51.26
26	3	1.51	105	52.76
27	2	1.01	107	53.77
28	8	4.02	115	57.79
29	8	4.02	123	61.81
30	19	9.55	142	71.36
31	3	1.51	145	72.86
77	54	27.14	199	100.00

Where crabbing from?				
Q5	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	25	12.56	25	12.56
02	61	30.65	86	43.22
04	11	5.53	97	48.74
05	10	5.03	107	53.77
06	15	7.54	122	61.31
07	69	34.67	191	95.98
08	5	2.51	196	98.49
77	2	1.01	198	99.50
99	1	0.50	199	100.00

Where crabbing from? (specify)				
Q5_o	Frequency	Percent	Cumulative Frequency	Cumulative Percent
back yard	1	10.00	1	10.00
boat slip	4	40.00	5	50.00
dock	1	10.00	6	60.00
dock bulk head	1	10.00	7	70.00
inlet	1	10.00	8	80.00
marsh	2	20.00	10	100.00

Frequency Missing = 189

Public dock/pier?				
Q6	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	89	44.72	89	44.72
02	110	55.28	199	100.00

Public access to launch site?				
Q6_x	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	89	44.72	89	44.72
02	110	55.28	199	100.00

Gear type? (gear 1)				
Q7_a	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	34	17.09	34	17.09
02	6	3.02	40	20.10
03	16	8.04	56	28.14
04	48	24.12	104	52.26
05	6	3.02	110	55.28
06	45	22.61	155	77.89
08	8	4.02	163	81.91
66	31	15.58	194	97.49
77	4	2.01	198	99.50
99	1	0.50	199	100.00

Gear type? (gear 2)				
Q7_b	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	1	3.85	1	3.85
02	1	3.85	2	7.69
04	4	15.38	6	23.08
05	5	19.23	11	42.31
06	12	46.15	23	88.46
08	1	3.85	24	92.31
66	2	7.69	26	100.00

Frequency Missing = 173

Gear type? (gear 3)				
Q7_c	Frequency	Percent	Cumulative Frequency	Cumulative Percent
05	1	33.33	1	33.33
06	1	33.33	2	66.67
66	1	33.33	3	100.00

Frequency Missing = 196

Gear type? (specify)				
Q7_o	Frequency	Percent	Cumulative Frequency	Cumulative Percent
bunker	1	2.94	1	2.94
CRAB TRAPS AND HANDLINES	1	2.94	2	5.88
Non-collapsible trap	1	2.94	3	8.82
basket	5	14.71	8	23.53
baskets	1	2.94	9	26.47
bonafide trap	1	2.94	10	29.41
box trap and a bunker	1	2.94	11	32.35
box traps	2	5.88	13	38.24
bunker	1	2.94	14	41.18
crab basket	3	8.82	17	50.00
crab nets	1	2.94	18	52.94
crab pots	1	2.94	19	55.88
crab trap	1	2.94	20	58.82
crab trap crab lines	1	2.94	21	61.76
crab traps	3	8.82	24	70.59
crab traps and pots	1	2.94	25	73.53
crabv baskets	1	2.94	26	76.47
crop lines	1	2.94	27	79.41
drop line	2	5.88	29	85.29
handline	1	2.94	30	88.24
pots	1	2.94	31	91.18
squid, bait fish	1	2.94	32	94.12
string	1	2.94	33	97.06
string line	1	2.94	34	100.00

Frequency Missing = 165

No. commercial pots in use?				
Q7 a	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	6	17.14	6	17.14
2	16	45.71	22	62.86
3	4	11.43	26	74.29
4	7	20.00	33	94.29
6	1	2.86	34	97.14
10	1	2.86	35	100.00

Frequency Missing = 164

Days since last checked gear?				
Q7 b	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	9	25.71	9	25.71
1	13	37.14	22	62.86
2	2	5.71	24	68.57
3	3	8.57	27	77.14
6	2	5.71	29	82.86
7	1	2.86	30	85.71
14	2	5.71	32	91.43
30	1	2.86	33	94.29
77	2	5.71	35	100.00

Frequency Missing = 164

Number of crabbers on trip				
Q8	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	42	21.11	42	21.11
2	70	35.18	112	56.28
3	29	14.57	141	70.85
4	30	15.08	171	85.93
5	16	8.04	187	93.97
6	9	4.52	196	98.49
8	1	0.50	197	98.99
10	1	0.50	198	99.50
99	1	0.50	199	100.00

Number of crabs kept on trip				
Q9	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	35	17.59	35	17.59
1	1	0.50	36	18.09
2	5	2.51	41	20.60
3	5	2.51	46	23.12
4	4	2.01	50	25.13
5	3	1.51	53	26.63
6	9	4.52	62	31.16
7	3	1.51	65	32.66
8	8	4.02	73	36.68
9	3	1.51	76	38.19
10	3	1.51	79	39.70
11	1	0.50	80	40.20
12	30	15.08	110	55.28
13	1	0.50	111	55.78
14	3	1.51	114	57.29
15	6	3.02	120	60.30
16	2	1.01	122	61.31
18	7	3.52	129	64.82
20	6	3.02	135	67.84
21	1	0.50	136	68.34
24	16	8.04	152	76.38
25	3	1.51	155	77.89
27	1	0.50	156	78.39
30	5	2.51	161	80.90
32	1	0.50	162	81.41
35	1	0.50	163	81.91
36	6	3.02	169	84.92
38	2	1.01	171	85.93
40	4	2.01	175	87.94
42	1	0.50	176	88.44
48	4	2.01	180	90.45
50	2	1.01	182	91.46
55	2	1.01	184	92.46

Number of crabs kept on trip				
Q9	Frequency	Percent	Cumulative Frequency	Cumulative Percent
60	2	1.01	186	93.47
65	1	0.50	187	93.97
82	1	0.50	188	94.47
96	3	1.51	191	95.98
99	1	0.50	192	96.48
150	1	0.50	193	96.98
777	6	3.02	199	100.00

County of crabbing?				
Q10	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	50	25.13	50	25.13
03	2	1.01	52	26.13
05	50	25.13	102	51.26
06	1	0.50	103	51.76
15	92	46.23	195	97.99
17	1	0.50	196	98.49
66	1	0.50	197	98.99
77	1	0.50	198	99.50
99	1	0.50	199	100.00

Where launch? (specify)				
Q10_o	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Manahawkin	1	100.00	1	100.00

Frequency Missing = 198

Crabbing Water Body?				
Q10 a	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	5	10.00	5	10.00
06	3	6.00	8	16.00
07	5	10.00	13	26.00
08	1	2.00	14	28.00
12	24	48.00	38	76.00
77	11	22.00	49	98.00
99	1	2.00	50	100.00

Frequency Missing = 149

Where crabbing? (specify)				
Q10a_o	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Avalon	1	4.17	1	4.17
Beasley's Point	2	8.33	3	12.50
Inland Waterway	1	4.17	4	16.67
a tributary next to Rio Grande	1	4.17	5	20.83
Atlantic	1	4.17	6	25.00
Avalon	2	8.33	8	33.33
avcalont	1	4.17	9	37.50
back bay	1	4.17	10	41.67
black bay	1	4.17	11	45.83
Cape May harbor	1	4.17	12	50.00
Cape May inlet	1	4.17	13	54.17
coastal bay	1	4.17	14	58.33
Great Egg bay	2	8.33	16	66.67
inlet of Little Egg Harbor bay	1	4.17	17	70.83
intercoastal water bay	1	4.17	18	75.00
not sure	1	4.17	19	79.17
Ocean city bay	1	4.17	20	83.33
private lagoon	1	4.17	21	87.50
Richardson's sound	2	8.33	23	95.83
Stone harbor	1	4.17	24	100.00

Frequency Missing = 175

Have recreational crabbing license?				
Q11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01	30	15.08	30	15.08
02	163	81.91	193	96.98
77	1	0.50	194	97.49
99	5	2.51	199	100.00